SL-500ME MKII
RMT-158

SERVICE MANUAL

ME Model

Super Betamax

711B3 CHASSIS

SL-500ME MKII is a model whose design has been based on SL-700ME.
On this service manual, only differences from SL-700ME are described.
When servicing, use this one together with SL-700ME service manual.

Main differences:
1. Elimination of 3.58 MHz (NTSC model) recording and playback function.
2. Elimination of 4.43 MHz (NTSC model) recording function.
3. Change of RF modulator.
4. Change of a design.

SPECIFICATIONS

System

Video recording system	Rotary two-head helical scanning
Video signal	CCIR standards, PAL and SECAM color
	EIA standard NTSC4.43 color (play back only)
Channel coverage	VHF: Western European channels E2-E12
	UHF: Western European channels E21-E68
RF output signal	UHF channels E30 to E39 (variable) 75 ohms, unbalanced
Antenna	75 ohms, asymmetrical antenna socket

Video

Input	LINE IN VIDEO: phono jack 1.0 V (p-p), 75 ohms, unbalanced, sync negative
Output	LINE OUT VIDEO: phono jack 1.0 V (p-p), 75 ohms, unbalanced, sync negative

Audio

Input	LINE IN AUDIO: phono jack More than 47 kilohms, −10 dBs (0 dBs = 0.775 Vrms)
Output	LINE OUT AUDIO: phono jack Less than 10 kilohms, −10 dBs (47 kilohms load), unbalanced

— Continued on next page —

- **SERVICE OF REMOTE COMMANDER RMT-158**

Remote commander RMT-158 is available as a unit. But as individual parts the battery case lid of commander is only available.

Beta
VIDEO CASSETTE RECORDER
SONY

MICROFILM

Tape transport

Recording tape speed (PAL and SECAM)	18.73 mm/sec.
Playback tape speed	PAL and SECAM 18.73 mm/sec. NTSC4.43 ⅡⅡ : 20mm/sec. ⅡⅢ: 13.3mm/sec.
Maximum recording time	: 2 hours 10 min. (with Sony L-500 cassette) 3 hours 15 min. (with L-750)
Fast forward/rewind time	Approximate 5 min. (L-500)

Timer

Clock	Quartz locked
Time indication	24-hour cycle
Timer setting	Only for recording 1 event/7 days or every day

General

Power requirements	110 – 240 V AC ± 10% 50/60 Hz ± 0.5%
Power consumption	27 W
Operating temperature	5°C to 40°C (41°F to 104°F)
Storage temperature	– 20°C to + 60°C (– 4°F to + 140°F)
Dimensions	Approx. 430 × 95 × 368 mm (w/h/d) (17 × 3 3/4 × 14 1/2 inches) incl. projecting parts and controls
Weight	Approx. 6.3 kg (13 lb 14 oz)

Remote Commander RMT-158

Remote control system	Infrared control
Command mode	VTR-1
Power requirements	3 V DC, two R6 batteries (size AA)
Dimensions	Approx. 45 × 18 × 150 mm (w/h/d) (1 13/16 × 23/32 × 6 inches) including projecting parts and controls
Weight	Approx. 90 g (3.2 oz) with batteries

Accessories supplied

Remote Commander RMT-158 with two R6 batteries (1)
75-ohm coaxial cable for recorder to TV connection (1)
Screwdriver for RF channel adjustment (1)
AC plug adaptor (1)

Optional accessories

Betamax video casstte tape
Video head cleaning cassette L-25CL

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

1. Check the area of your repair for unsoldered or poorly-soldered connections. Check the entire board surface for solder splashes and bridges.
2. Check the interboard wiring to ensure that no wires are "pinched" or contact high-wattage resistors.
3. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
4. Look for parts which, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
5. Check the B+ voltage to see it is at the values specified.

SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

TABLE OF CONTENTS

Section	Title	Page
4.	PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS	
4-2.	Printed Wiring Boards and Schematic Diagrams	4
	• RP-70 Board	4
	• VI-50 Board	7
	• VC-52 Board	17
	• TU-92, FU-65, FF-25, PS-187, PS-196 Boards	20
5.	EXPLODED VIEWS	
5-1.	Front Panel and Cabinet Assemblies	26
5-2.	Tuner and Power Assemblies	27
5-6.	Reel Table Assembly	27
6.	ELECTRICAL PARTS LIST	28

SECTION 4

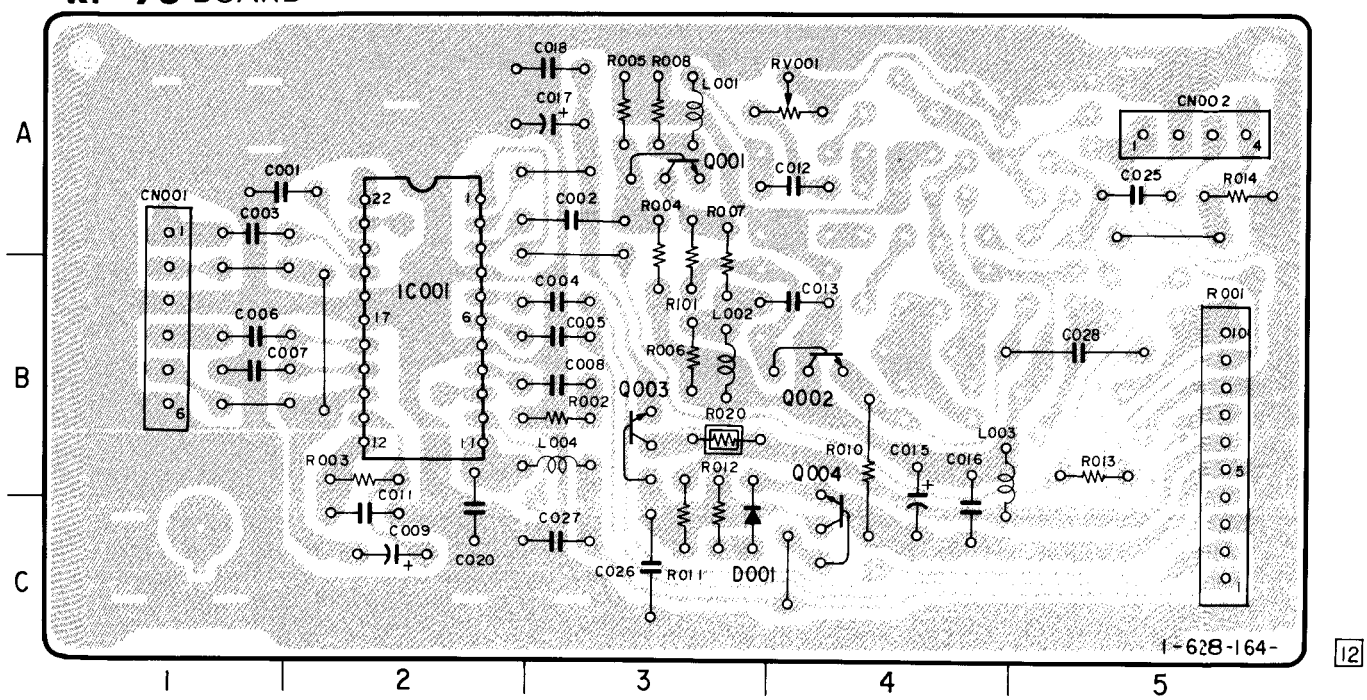
PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

4-2. PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

RP-70 (HEAD AMP) PRINTED WIRING BOARD

– Ref. No. RP-70 BOARD: 1000 series –

RP-70 BOARD



RP-70 BOARD

B001 B-5

CN001 A-1
CN002 A-5

D001 B-3

IC001 B-2

Q001 A-3
Q002 B-4
Q003 B-3
Q004 B-4

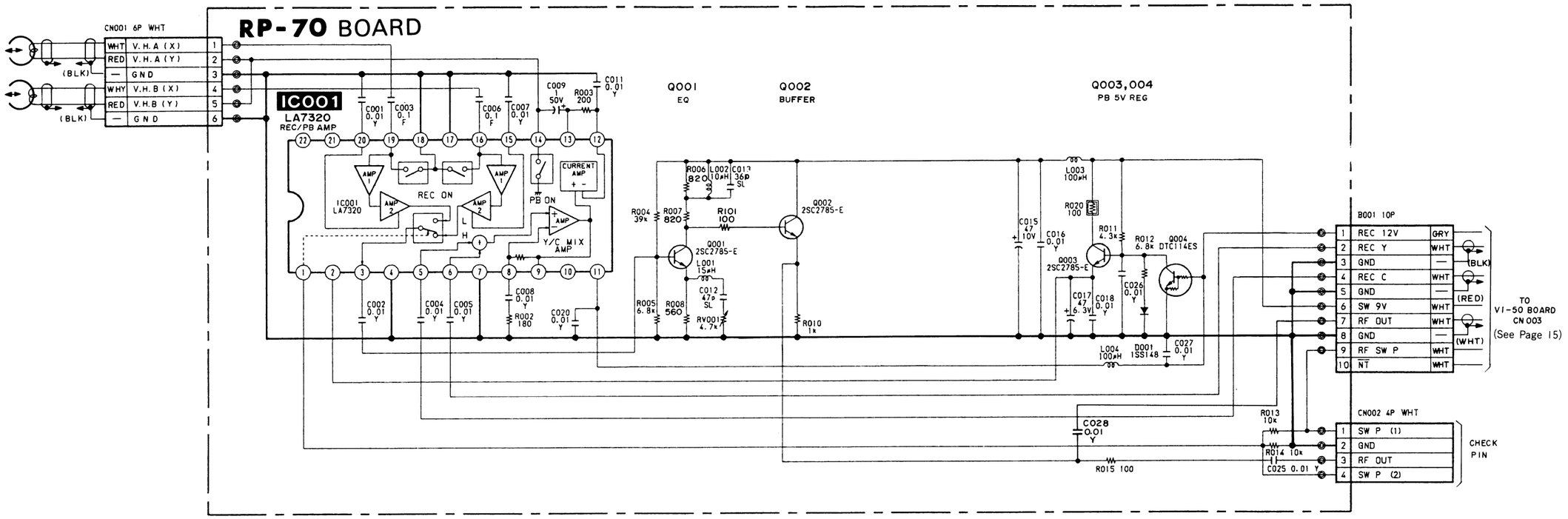
RV001 A-4

Note (Printed Wiring Board)

- ○— : indicates a lead wire mounted on the component side.
- ● : indicates a lead wire mounted on the printed side.
- ⊗ : Through hole.
- ▨ : Pattern from the side which enables seeing.

RP-70 (HEAD AMP) SCHEMATIC DIAGRAM

– Ref. No. RP-70 BOARD: 1000 series –



Note (Schematic Diagram)

- Caution when replacing chip parts.
  New parts must be attached after removal of chip.
  Be careful not to heat the minus side of tantalum capacitor, because it is damaged by the heat.
- All resistors are in ohms, 1/4W unless otherwise noted.
  kΩ : 1000Ω, MΩ : 1000kΩ.
- All variable and semi-fixed resistors have characteristics curve B, unless otherwise noted.
- : nonflammable resistor.
- : fusible resistor.
- : panel disignation.
- Voltages are dc with respect to ground unless otherwise noted.
- Readings are taken with a color-bar signal playback.
- Readings are taken with a digital multimeter (DC10MΩ).
- Voltage variations may be noted due to normal production tolerances.

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

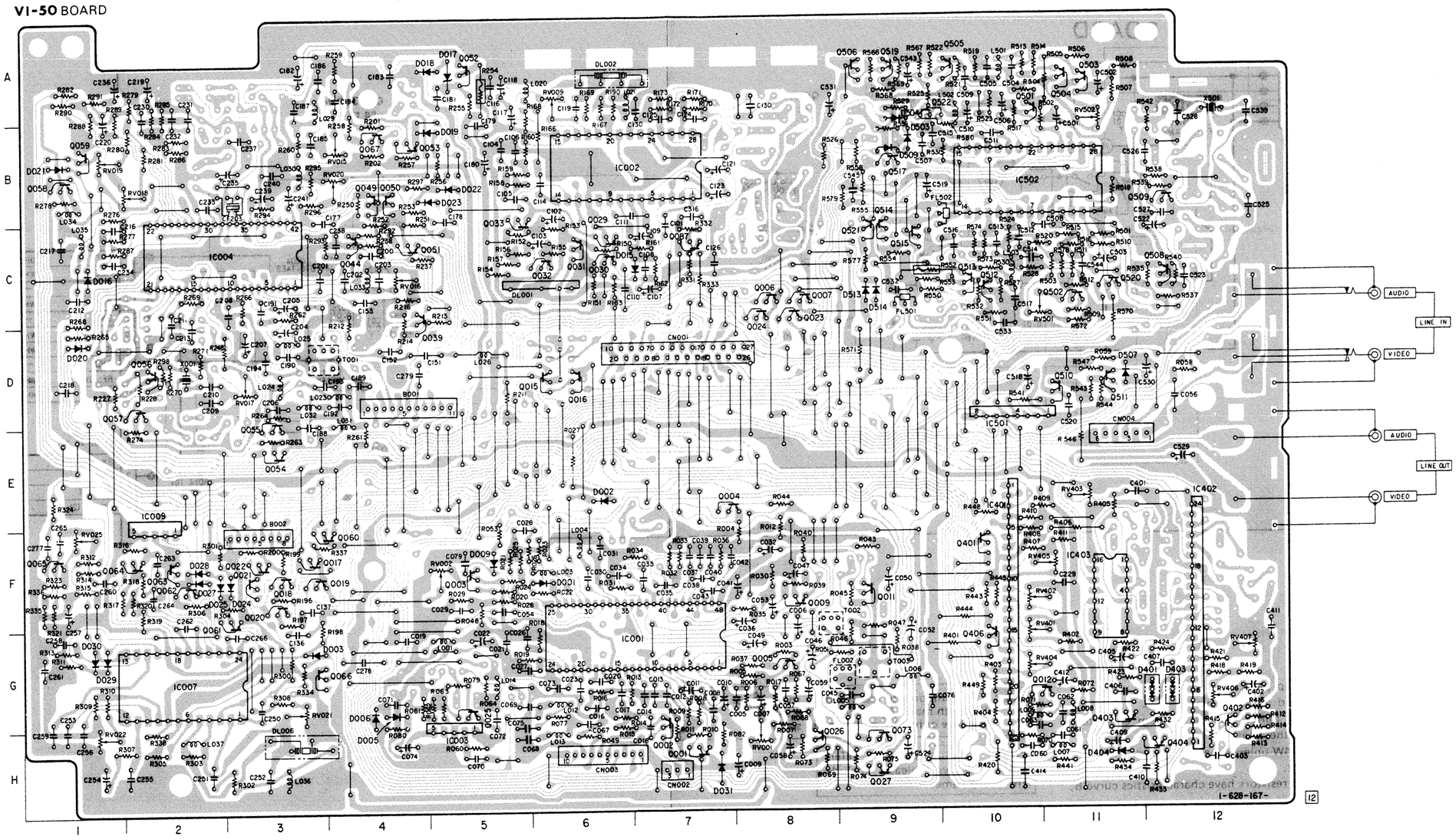
When indicating parts by reference number, please include the board name.

VI-50 (VIDEO) PRINTED WIRING BOARD

– Ref. No. VI-50 BOARD: 2000 series –

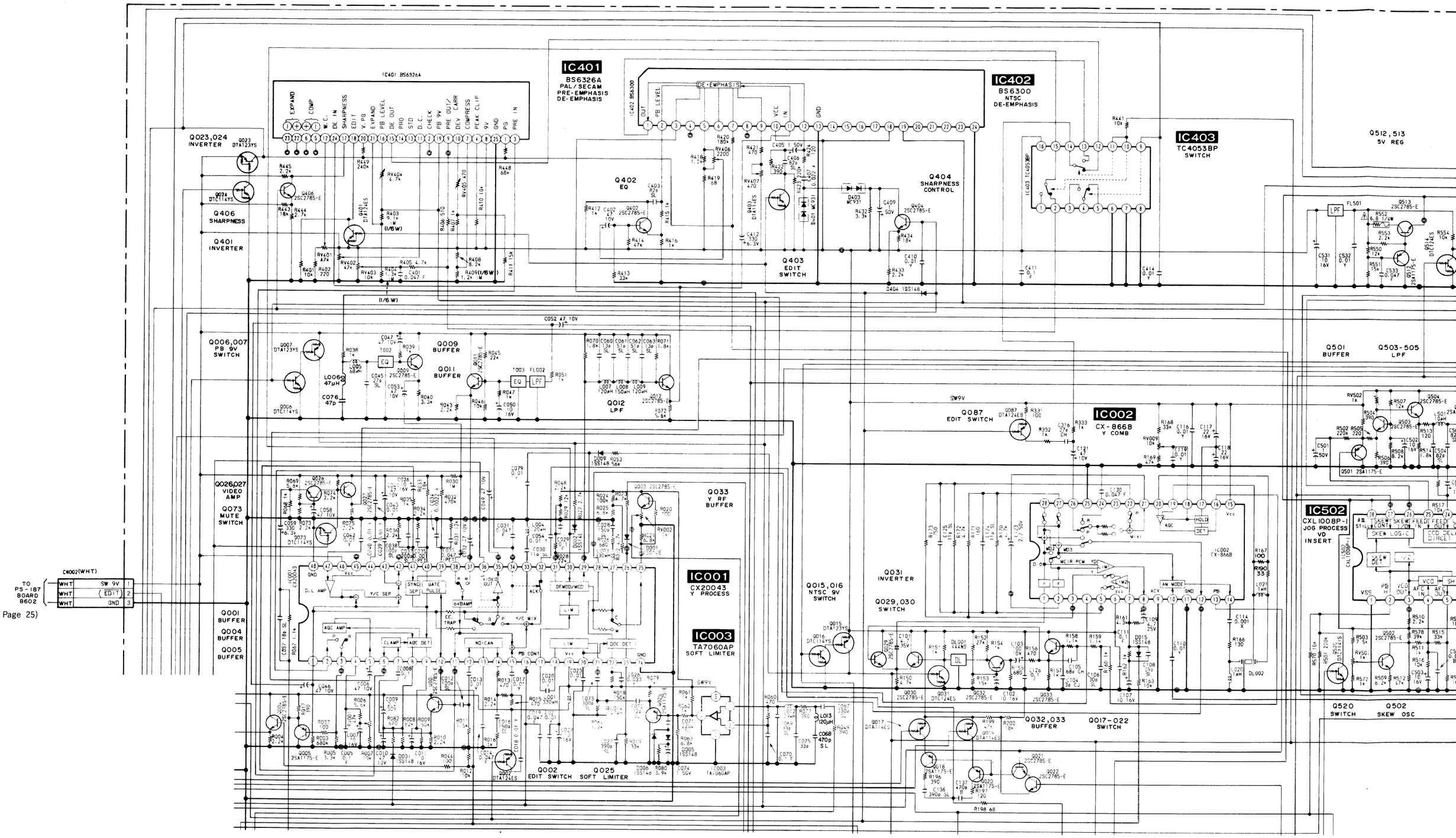
VI-50 BOARD

B001	D-4
B002	F-3
CN001	D-7
CN002	H-7
CN003	H-6
CN004	E-11
D001	F-6
D002	E-2
D003	G-3
D005	G-4
D006	G-4
D009	F-5
D015	C-7
D016	C-1
D017	A-5
D018	A-4
D019	B-5
D020	D-1
D021	B-1
D022	B-5
D023	B-5
D024	F-3
D025	F-2
D027	F-2
D028	F-2
D029	G-1
D030	G-1
D031	H-7
D401	G-12
D403	G-12
D404	H-11
D503	B-9
D504	A-9
D507	D-11
D509	B-9
D513	C-9
D514	C-9
IC001	G-6
IC002	B-6
IC003	H-5
IC004	C-2
IC007	G-2
IC009	E-2
IC401	E-10
IC402	E-12
IC403	F-11
IC501	D-10
IC502	B-10
Q001	H-7
Q002	H-7
Q003	F-5
Q004	E-7
Q005	G-8
Q006	C-8
Q007	C-8
Q009	F-8
Q011	F-9
Q012	G-12
Q015	D-6
Q016	D-6
Q017	F-3
Q018	F-3
Q019	F-3
Q020	F-3
Q021	F-3
Q022	C-8
Q023	C-8
Q024	G-4
Q025	H-8
Q026	H-9
Q027	C-6
Q030	C-6
Q031	C-6
Q032	C-6
Q033	B-5
Q039	C-4
Q049	B-4
Q050	B-4
Q051	C-4
Q052	A-5
Q053	B-4
Q054	E-3
Q055	D-3
Q056	D-2
Q057	D-2
Q058	B-1
Q059	B-1
Q060	F-4
Q061	F-2
Q062	F-2
Q063	F-2
Q064	F-1
Q065	F-1
Q066	G-3
Q067	B-4
Q073	H-9
Q087	C-7
Q401	F-10
Q402	G-12
Q403	G-11
Q404	H-12
Q406	G-10
Q501	A-10
Q502	C-11
Q503	A-11
Q504	A-11
Q505	A-10
Q506	A-9
Q508	C-12
Q509	B-12
Q510	D-11
Q511	D-11
Q512	C-10
Q513	C-10
Q514	C-9
Q515	C-9
Q517	B-9
Q519	A-9
Q520	C-11
Q521	C-9
RV001	H-8
RV002	F-5
RV009	A-6
RV015	B-4
RV016	C-4
RV017	D-3
RV018	B-2
RV019	B-1
RV020	B-4
RV021	G-3
RV022	H-1
RV025	F-1
RV401	G-10
RV402	F-11
RV403	E-11
RV404	G-10
RV405	F-11
RV406	G-12
RV407	G-13
RV501	C-11
RV502	B-11



VI-50 (VIDEO) SCHEMATIC DIAGRAM

– Ref. No. VI-50 BOARD: 2000 series –



15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23

VI-50 BOARD (1/2)

Q512,513 5V REG
Q514,515 SWITCH
Q517 INVERTER
Q521 SWITCH
Q501 BUFFER
Q503-505 LPF
Q506,519 PB VIDEO AMP
Q522 BUFFER
IC501 LA7016 OUTPUT SELECT
Q510,511 BUFFER
Q508,509 BUFFER
IC502 CXL1008P-1 JOG PROCESS VD INSERT
Q520 SWITCH
Q502 SKEW OSC

VIDEO
LINE IN
AUDIO
LINE OUT VIDEO
LINE OUT AUDIO

CN004 (WHT)

1	TU VIDEO IN	WHT	(WHT)
2	GND	–	
3	MOD VIDEO OUT	WHT	
4	GND	–	(RED)
5	TU AUDIO IN	WHT	
6	MOD AUDIO OUT	WHT	

TO TU-95 BOARD CN702

(See Page 24)

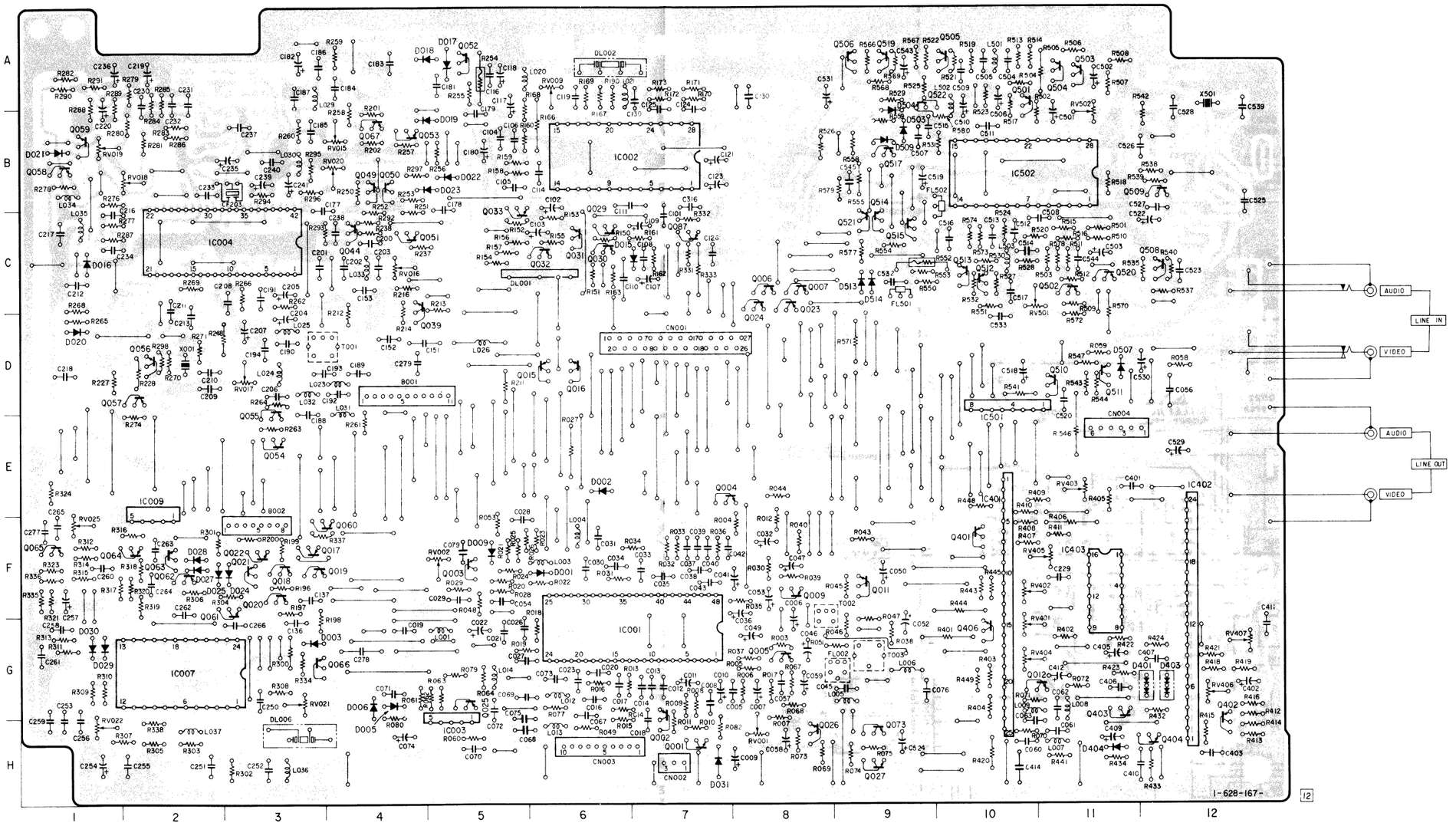
VI-50 (VIDEO) PRINTED WIRING BOARD

– Ref. No. VI-50 BOARD: 2000 series –

VI-50 BOARD

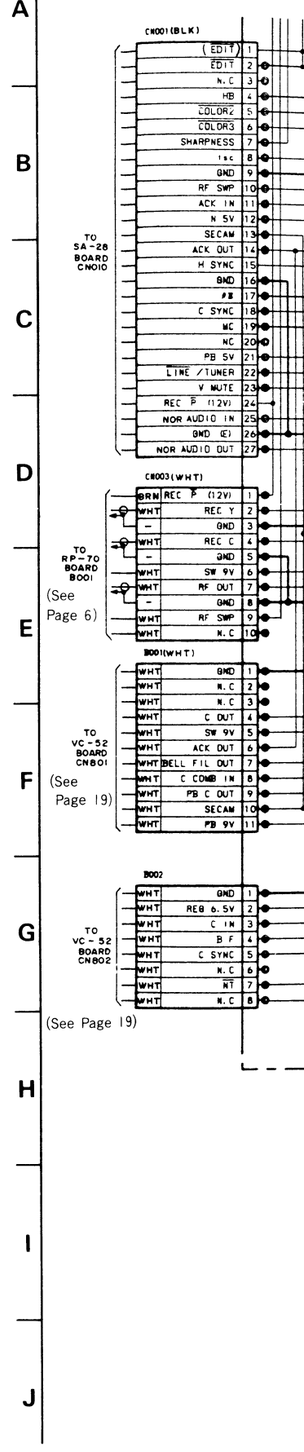
B001	D-4	Q030	C-6
B002	F-3	Q031	C-6
		Q032	C-6
CN001	D-7	Q033	B-5
CN002	H-7	Q039	C-4
CN003	H-6	Q049	B-4
CN004	E-11	Q050	B-4
		Q051	C-4
D001	F-6	Q052	A-5
D002	E-2	Q053	B-4
D003	G-3	Q054	E-3
D005	G-4	Q055	D-3
D006	G-4	Q056	D-2
D009	F-5	Q057	D-2
D015	C-7	Q058	B-1
D016	C-1	Q059	B-1
D017	A-5	Q060	F-4
D018	A-4	Q061	F-2
D019	B-5	Q062	F-2
D020	D-1	Q063	F-2
D021	B-1	Q064	F-1
D022	B-5	Q065	F-1
D023	B-5	Q066	G-3
D024	F-3	Q067	B-4
D025	F-2	Q073	H-9
D027	F-2	Q087	C-7
D028	F-2	Q401	F-10
D029	G-1	Q402	G-12
D030	G-1	Q403	G-11
D031	H-7	Q404	H-12
D401	G-12	Q406	G-10
D403	G-12	Q501	A-10
D404	H-11	Q502	C-11
D503	B-9	Q503	A-11
D504	A-9	Q504	A-11
D507	D-11	Q505	A-10
D509	B-9	Q506	A-9
D513	C-9	Q508	C-12
D514	C-9	Q509	B-12
		Q510	D-11
IC001	G-6	Q511	D-11
IC002	B-6	Q512	C-10
IC003	H-5	Q513	C-10
IC004	C-2	Q514	C-9
IC007	G-2	Q515	C-9
IC009	E-2	Q517	B-9
IC401	E-10	Q519	A-9
IC402	E-12	Q520	C-11
IC403	F-11	Q521	C-9
IC501	D-10		
IC502	B-10	RV001	H-8
		RV002	F-5
Q001	H-7	RV009	A-6
Q002	H-7	RV015	B-4
Q003	F-5	RV016	C-4
Q004	E-7	RV017	D-3
Q005	G-8	RV018	B-2
Q006	C-8	RV019	B-1
Q007	C-8	RV020	B-4
Q009	F-8	RV021	G-3
Q011	F-9	RV022	H-1
Q012	G-12	RV025	F-1
Q015	D-6	RV401	G-10
Q016	D-6	RV402	F-11
Q017	F-3	RV403	E-11
Q018	F-3	RV404	G-10
Q019	F-3	RV405	F-11
Q020	F-3	RV406	G-12
Q021	F-3	RV407	G-13
Q022	C-8	RV501	C-11
Q023	C-8	RV502	B-11
Q024	G-4		
Q025	H-8		
Q026	H-9		
Q027	C-6		

VI-50 BOARD



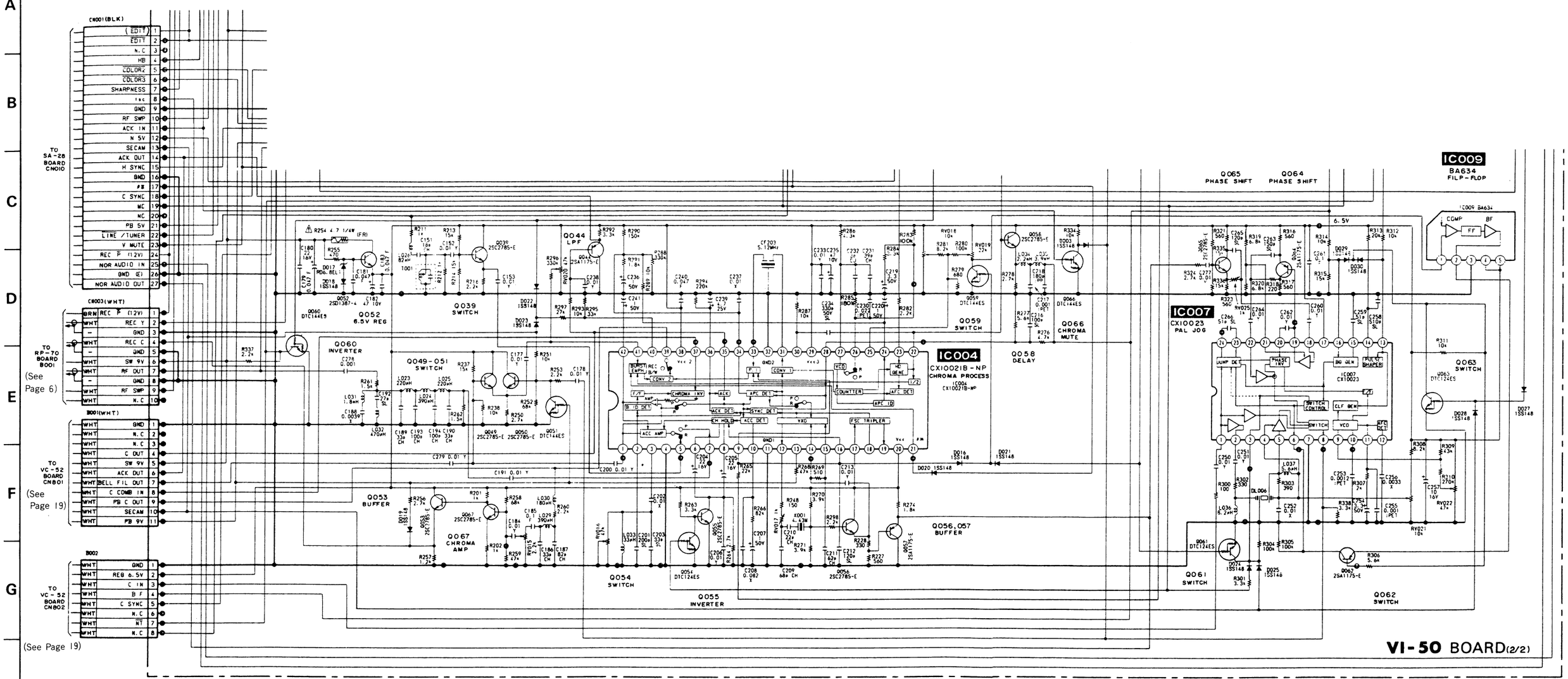
VI-50 (VIDEO) SCHEMATIC DI

– Ref. No. VI-50 BOARD: 2000 s



VI-50 (VIDEO) SCHEMATIC DIAGRAM

– Ref. No. VI-50 BOARD: 2000 series –

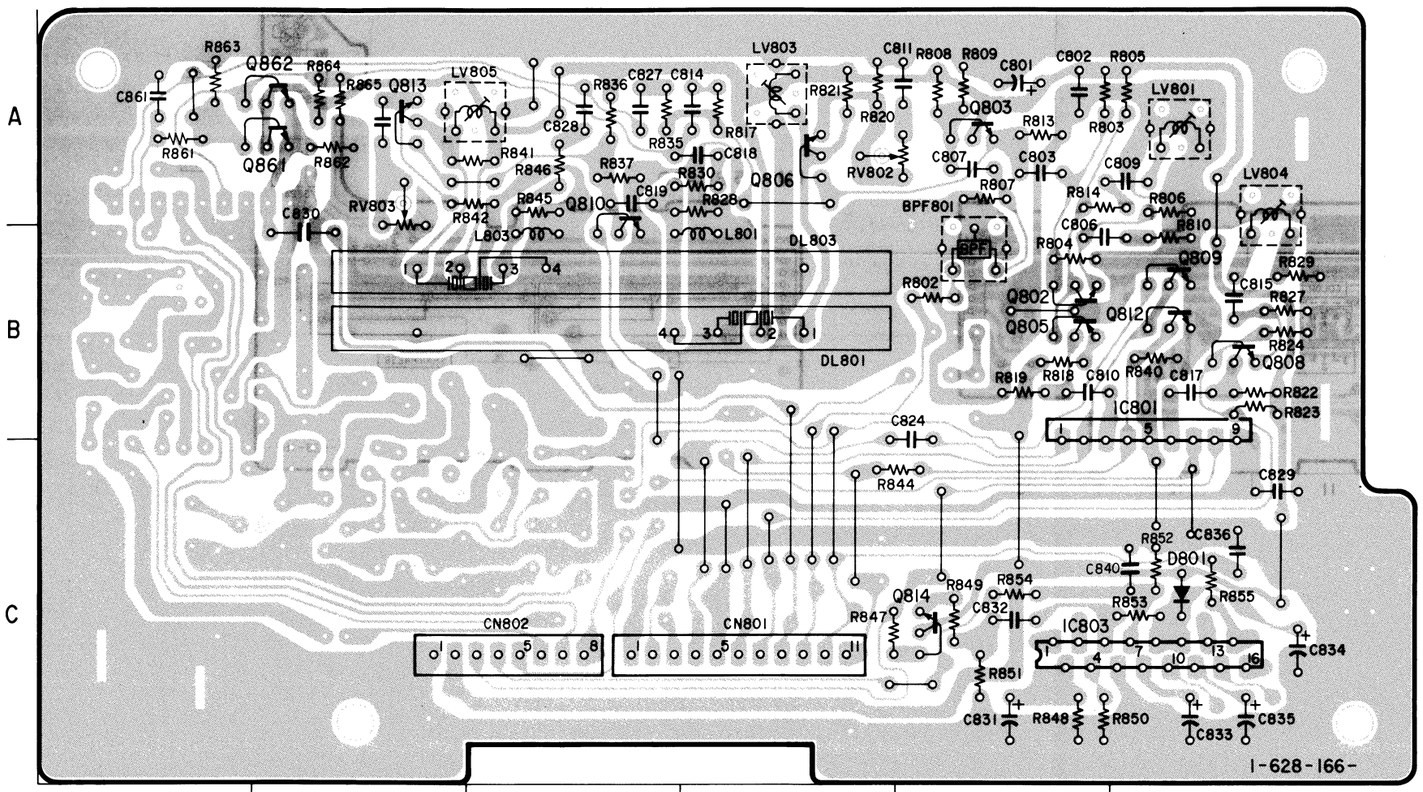


VC-52 (COMB FILTER) PRINTED WIRING BOARD

– Ref. No. VC-52 BOARD: 3000 series –

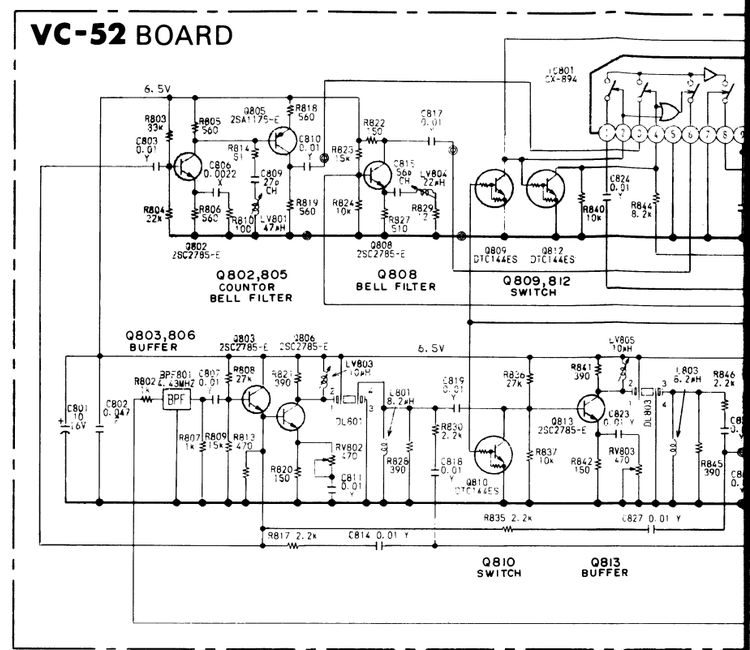
VC-52 BOARD	
CN801	C-4
CN802	C-3
D801	C-6
IC802	A-1
IC803	C-5
LV801	A-6
LV802	C-3
LV803	A-4
LV804	A-6
LV805	A-2
Q802	B-5
Q803	A-5
Q805	B-5
Q806	A-4
Q808	B-6
Q809	B-6
Q810	A-3
Q812	B-6
Q813	A-2
Q814	C-5
Q861	A-2
Q862	A-2
RV802	A-4
RV803	A-2

VC-52 BOARD



VC-52 (COMB FILTER) SCHEMATIC DIAGRAM

– Ref. No. VC-52 BOARD: 3000 series –



VC-52 (COMB FILTER) PRINTED WIRING BOARD

– Ref. No. VC-52 BOARD: 3000 series –

VC-52 BOARD

CN801 C-4
CN802 C-3

D801 C-6

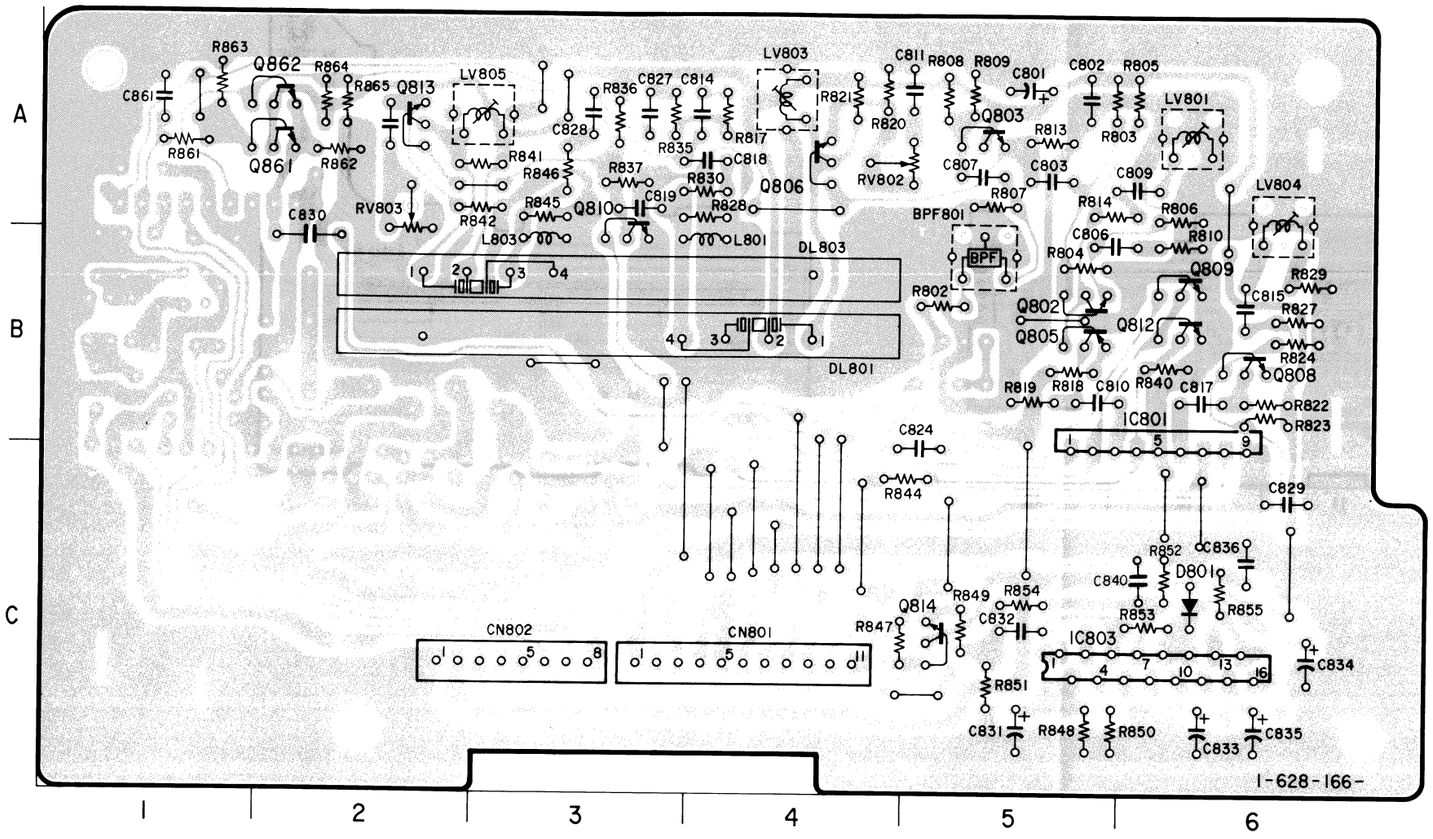
IC802 A-1
IC803 C-5

LV801 A-6
LV802 C-3
LV803 A-4
LV804 A-6
LV805 A-2

Q802 B-5
Q803 A-5
Q805 B-5
Q806 A-4
Q808 B-6
Q809 B-6
Q810 A-3
Q812 B-6
Q813 A-2
Q814 C-5
Q861 A-2
Q862 A-2

RV802 A-4
RV803 A-2

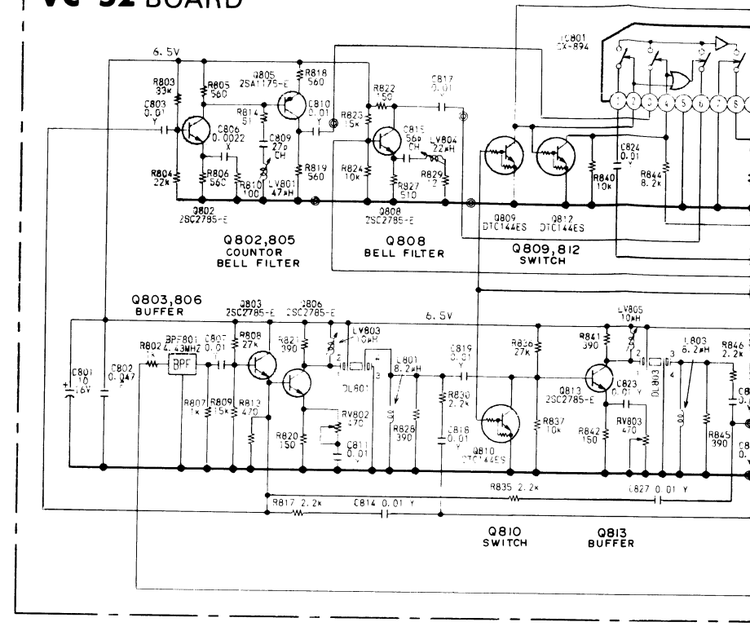
VC-52 BOARD



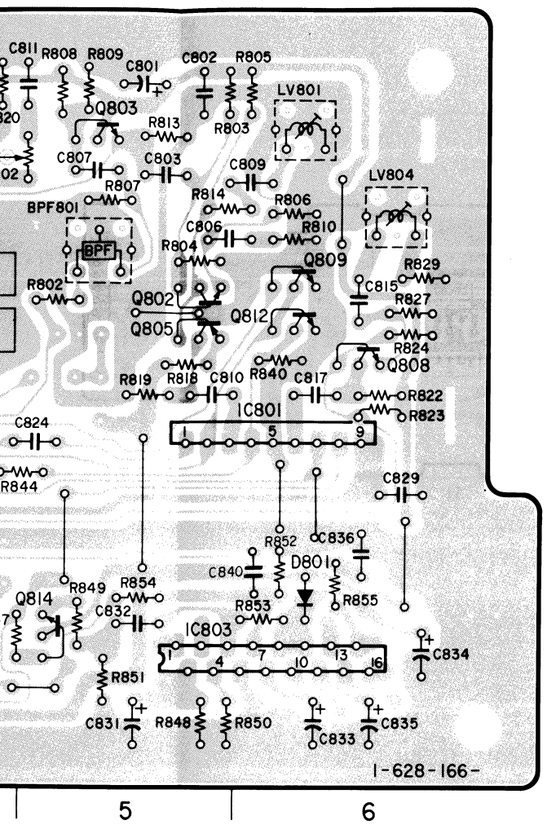
VC-52 (COMB FILTER) SCHEMATIC DIAGRAM

– Ref. No. VC-52 BOARD: 3000 series –

VC-52 BOARD



VC-52 (COMB FILTER) SCHEMATIC DIAGRAM



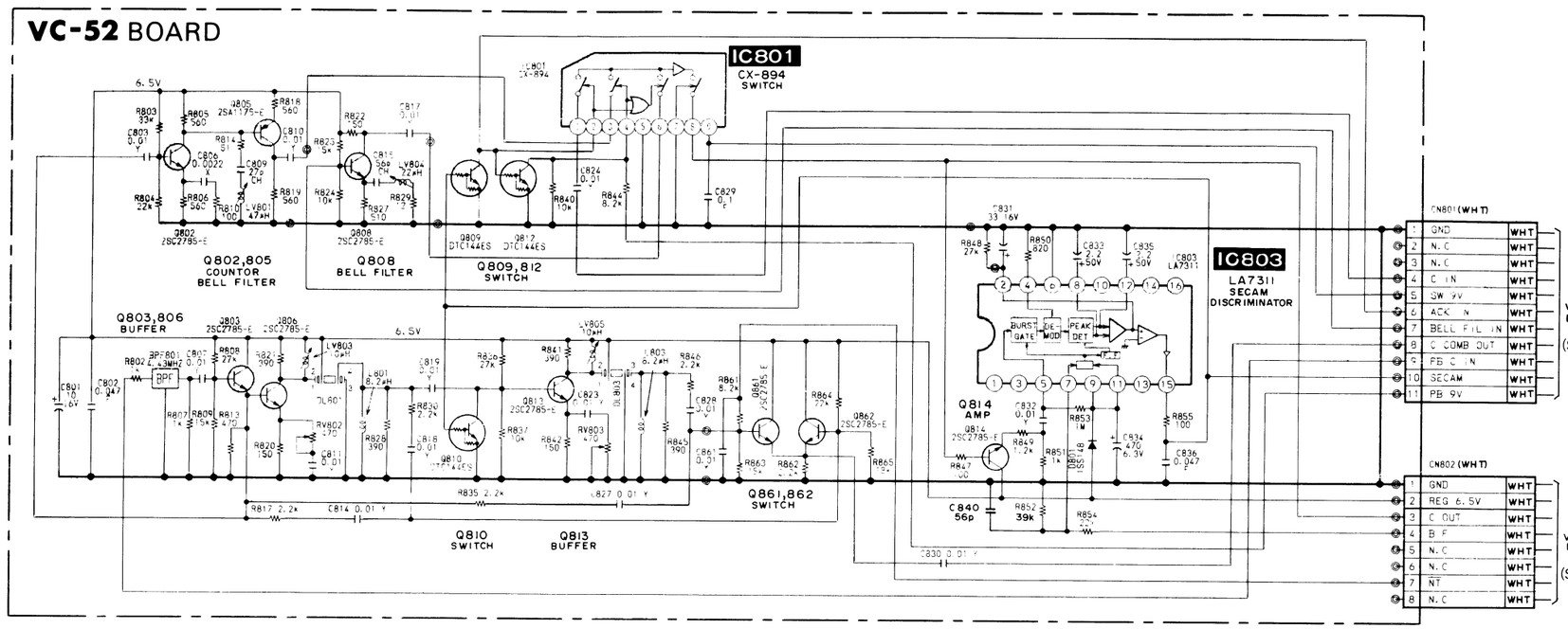
12

5 6

1 2 3 4 5 6 7 8 9 10 11

– Ref. No. VC-52 BOARD: 3000 series –

A B C D E F G H I J



TU-95 (TUNER), FF-25 (FUNCTION SWITCH), FU-65 (FUNCTION SWITCH), PS-187 (POWER), PS-196 (POWER) PRINTED WIRING BOARD

– Ref. No. TU-95 BOARD: 5000 series, PS-187 BOARD: 6000 series, PS-196 BOARD: 7000 series, FF-25 BOARD: 8000 series, FU-65 BOARD: 4000 series –

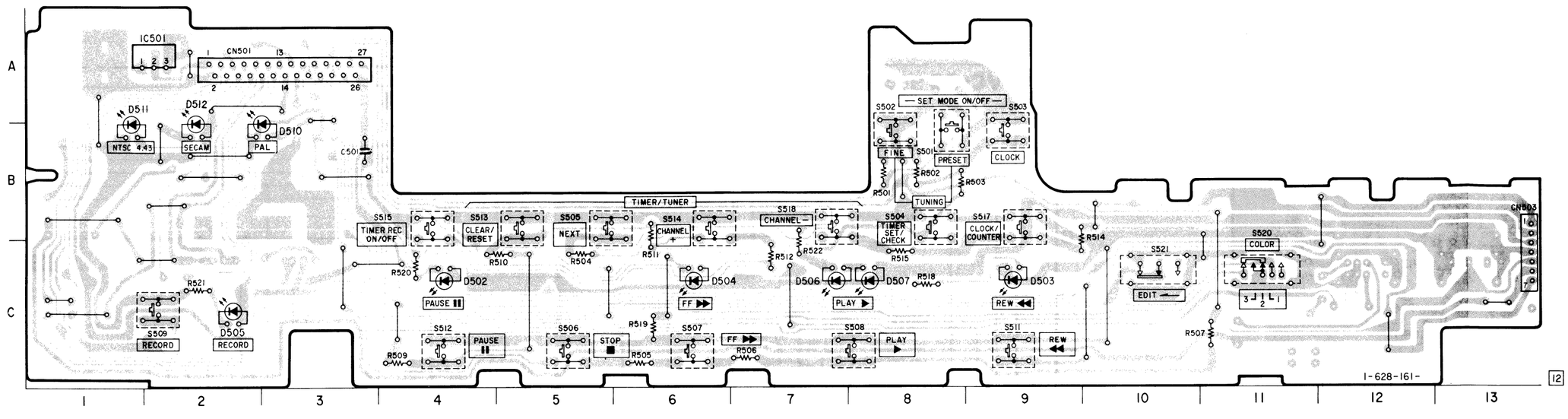
FF-25 BOARD

CN501 A-2
CN503 B-12

D502 C-4
D503 C-9
D504 C-6
D505 C-2
D506 C-7
D507 C-8

IC501 A-2

FF-25 BOARD



TU-95 BOARD

B701 C-2

CN701 B-1
CN702 C-2

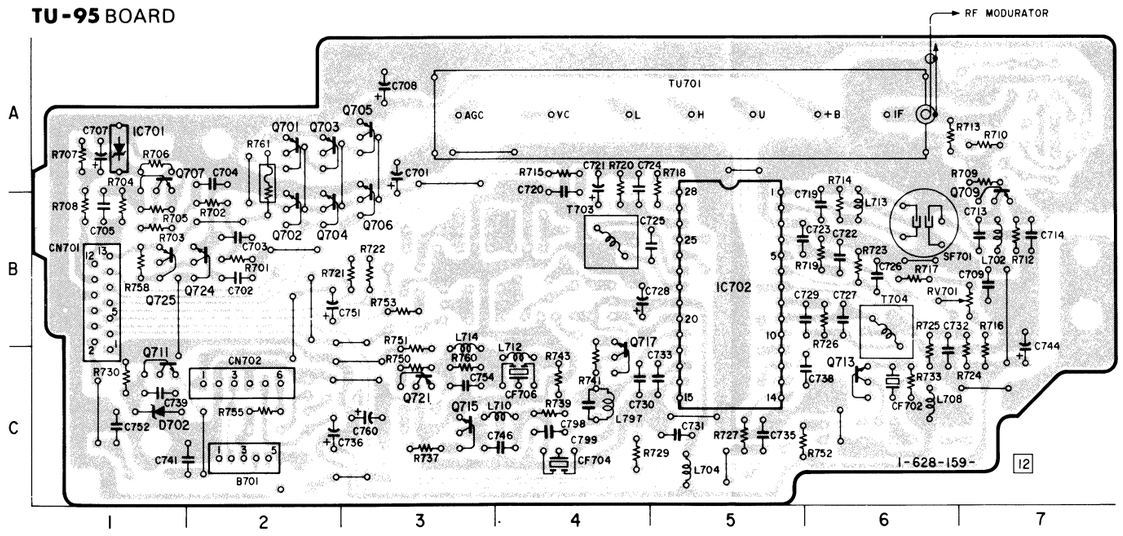
D702 C-1
D703 B-4
D704 C-2

IC701 C-2
IC702 B-5

Q701 A-2
Q702 B-2
Q703 A-2
Q704 B-2
Q705 A-3
Q706 B-3
Q707 A-1
Q709 B-7
Q711 C-1
Q713 C-6
Q715 C-3
Q717 C-4
Q721 C-3
Q724 B-2
Q725 B-1

RV701 B-6

TU-95 BOARD



PS-187 BOARD

B601 C-1
B602 C-2
B603 C-1

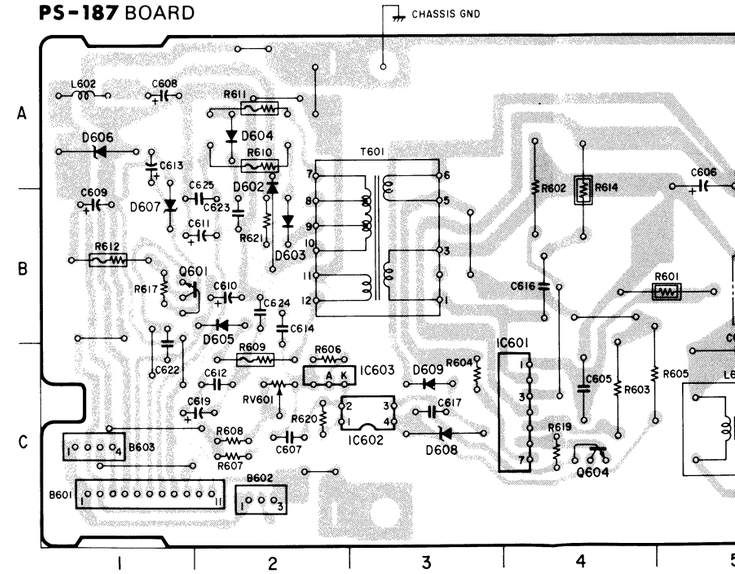
D601 B-5
D602 A-2
D603 B-2
D604 A-2
D605 B-2
D606 A-1
D607 B-1
D608 C-3
D609 C-3

IC601 C-4
IC602 C-3
IC603 C-3

Q601 B-1
Q604 C-4

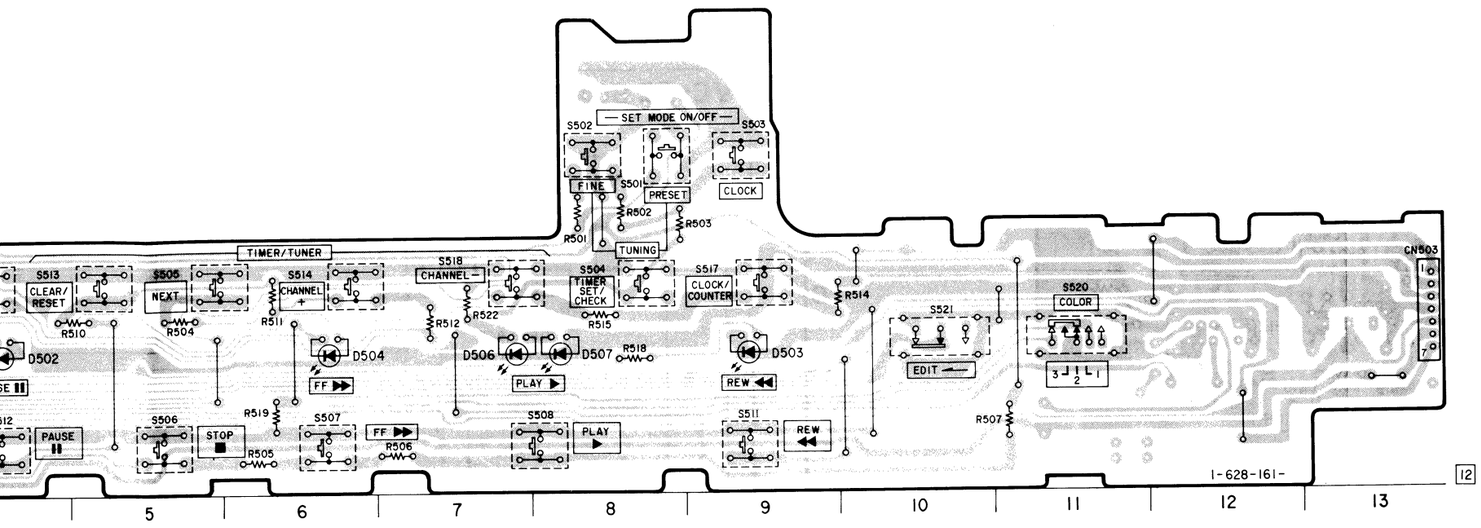
RV601 C-2

PS-187 BOARD

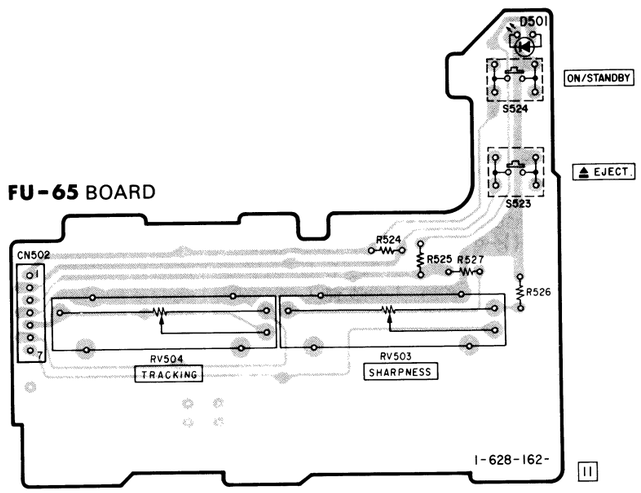


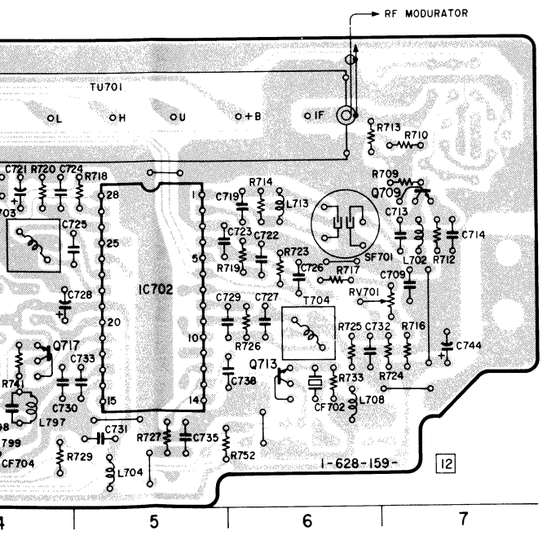
WER) PRINTED WIRING BOARD

s, FU-65 BOARD: 4000 series –



FU-65 BOARD

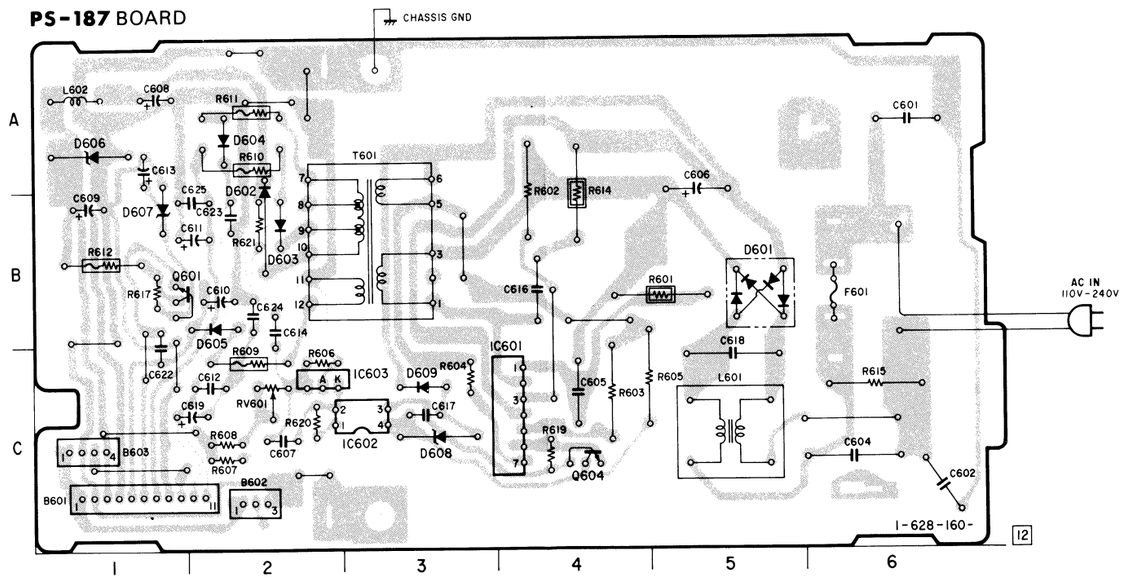




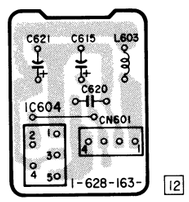
PS-187 BOARD

B601	C-1
B602	C-2
B603	C-1
D601	B-5
D602	A-2
D603	B-2
D604	A-2
D605	B-2
D606	A-1
D607	B-1
D608	C-3
D609	C-3
IC601	C-4
IC602	C-3
IC603	C-3
Q601	B-1
Q604	C-4
RV601	C-2

PS-187 BOARD



PS-196 BOARD



TU-95 (TUNER), FF-25 (FUNCTION SWITCH), FU-65 (FUNCTION SWITCH), PS-187 (POWER), PS-196 (POWER) SCHEMATIC DIAGRAM

– Ref. No. TU-95 BOARD: 5000 series, PS-187 BOARD: 6000 series, PS-196 BOARD: 7000 series, FF-25 BOARD: 8000 series, FU-65 BOARD: 4000 series –

TU-95 BOARD

TO RFU

TU701 BT-886A

CASE

AGC VC L H U +B IF

Q702 DTC114ES

Q704 DTC114ES

Q706 DTC114ES

Q701-706 BAND SWITCH

Q724,725 12V SWITCH

Q701 DTA114ES

Q703 DTA114ES

Q705 DTA114ES

R708 680

R761 6.8

Q725 2SA1511

R758 56k

R706 10k R707 820

R701 22k R702 22k R703 22k

Q707 2SC4039R-3

C705 150p B

R704 10k

C701 22 16V

C702 0.1 PET

C703 0.1 PET

C704 0.1 PET

R705 10k

C701 HZT33-02TA

C707 33 6.3V

C708 1000 16V

Q724 DTC144ES

Q707 D-A CONVERTER

C760 33 16V

IC701 HZT33-02TA 33V REG

Q711 5V REG

Q711 2SD1387-3

Q709 PREAMP

Q709 2SC2669-D

L702 1.4μH

C713 0.0047 Y

SF701

L713 1.2μH

R709 1.2k

R710 270

C709 0.0047 Y

C714 0.01 Y

R712 56

R714 1k

R716 12k

R721 150k

R722 3.3k

R726 0.022 X

R724 22k

C732 2200p X

C736 50V

R730 470

C739 0.01 Y

RD5.6E2

C741 0.01 Y

R713 68

C719 0.0047 Y

R726 2.2k

C727 68p CH

C729 18p CH

IC702 CX20015A VIF/SIF

Q723 ATT

C735 0.022 X

C738 0.001 BX

R727 2.2k

R755 4.7k

C752 0.01 Y

IC702 CX20015A

VIF IN | VIF IN | GND | AGC SET | AFT UP | AFT DOWN | AFT OUT | AFT OUT | AFT | AFT | VOL | AF OUT | AF IN | MPX OUT | DISCRI

RF AGC | IF AGC | IF AGC | DET | DET | VCC | DET OUT | VCC | BIAS | S/F IN | GND | MUTE

Q713 SWITCH

Q713 DTC124ES

CF702 5.5MHz

R729 1k

R733 1k

L708 22μH

C725 68p CH

T703

C728 22/16V

C731 0.068 X

C732 0.01 Y

C720 0.0047 Y

C721 0.47 50V

R720 150k

C724 0.01 Y

C730 0.0047 Y

L704 8.2μH

C744 22 16V

R751 270

R753 75

C751 470 10V

R752 1k

(SYSTEM: B/G)

Q717 BUFFER

Q717 2SC2603-F

R741 22k

R739 560

C798 390p

C746 390p SL

L710 2.2μH

CF704 CFS. 5MHz

L797 2.2μH

C799 1000p

Q715 SWITCH

Q715 2SC2603-F

R737 1k

CF706 CTS. 5MHz

R743 330

L712 15μH SN

L714 15μH SN

R760 10k

C754 47p CH

R750 100

Q721 2SA1175-E

Q721 BUFFER

(SYSTEM: B/G)

CN701 (BLK)

1	SW 9V	
2	UN SW 5V	
3	3.58/4.43 SW	
4	SYNC IN	
5	AFT DN/CK	
6	AFT UP	
7	U	
8	GND	
9	VH	
10	UN SW 42V	
11	VL	
12	PWM	
13	UN 12V	

TO SA-28 BOARD CN009

TO SA

CN702 I 2.5 EL(WHT)

1	TU VIDEO OUT	WHT	(WHT)
2	GND	—	
3	MOD VIDEO IN	WHT	
4	GND	—	(RED)
5	TU AUDIO OUT	WHT	
6	MOD AUDIO IN	WHT	

TO VI-50 BOARD CN004

(See Page 11)

TO VI

B701 I 2.0 EL

1	GND	WHT
2	MOD VIDEO OUT	WHT
3	MOD AUDIO OUT	WHT
4	MOD 5V	WHT
5	BST 5V	WHT

FU-65 BOARD

R525 470

R527 15k

R524 1k

S523 EJECT

S524

RV503 10k SHARPNESS

R526 9.1k

ON/STANDBY

DS01 SLR-34MC3

RV504 100k TRACKING

CN502

1	F SW 4 EX
2	F SW 4 RTN
3	SWD 9V
4	GND
5	TRACON
6	TRACON
7	SHARPNESS

CN503

FSW 4 EX	1
FSW 4 RTN	2
SWD 9V	3
GND	4
TRACON	5
TRACON	6
SHARPNESS	7

CN501

5V	1
GND	2
3.58/4.43	3
EDIT	4
COLOR 3	5
COLOR 2	6
HI-BAND	7
SHARPNESS	8
TRACON(f)	9
TRACON(V)	10
NTSC (4.43) LED	11
NTSC (3.58) LED	12
REC LED	13
SECAM LED	14
SIRCS	15
GND	16
PAL LED	17
FSW 1	18
FSW 2	19
FSW 3	20
FSW 4	21
PB LED	22
REW LED	23
PAUSE LED	24
FF LED	25
9V	26
NTSC	27

C501 0.01

EDIT S521 OFF ON

S520 3 2 1 COLOR

TO SA-28 BOARD CN002

PS-196 BOARD

IC604 SI-3090C 9V REG/SWITCH

9V

GND

L603 33μH

C621 100/16V

C615 2.2 50V

C620 0.1 X

CN601 2.5 (WHT)

1	SWD 9V	WHT
2	GND	WHT
3	POWER CONT	WHT
4	UN 12V	WHT

RFU-867

BOOSTER

MIXER

RF MODULATOR

AERIAL IN

AERIAL OUT

1	GND	WHT
2	MOD VIDEO OUT	WHT
3	MOD AUDIO OUT	WHT
4	MOD 5V	WHT
5	BST 5V	WHT

OSC BLOCK

RF CHANNEL 30 39

DX ATT

LOCAL

OFF TEST SIGNAL

ON

PS-187 BOARD

IC601 MA2830 SWITCHING

AC IN 110V – 240V

F601 250V T800mA

L601 10mH

R615 4.7M 1/2W

C601 4700p 400V

C602 4700p 400V

C604 0.1 250V MF

C618 0.1 250V MF

D601 S1VB60

C616 220p 6.3k

R601 4.7k 2W

C605 0.047 400V MF

R602 680k 1/2W

R603 100 5W

R614 150 3.3k 5W

C606 100 400V

D609 ERA15-02

C617 0.01 PET

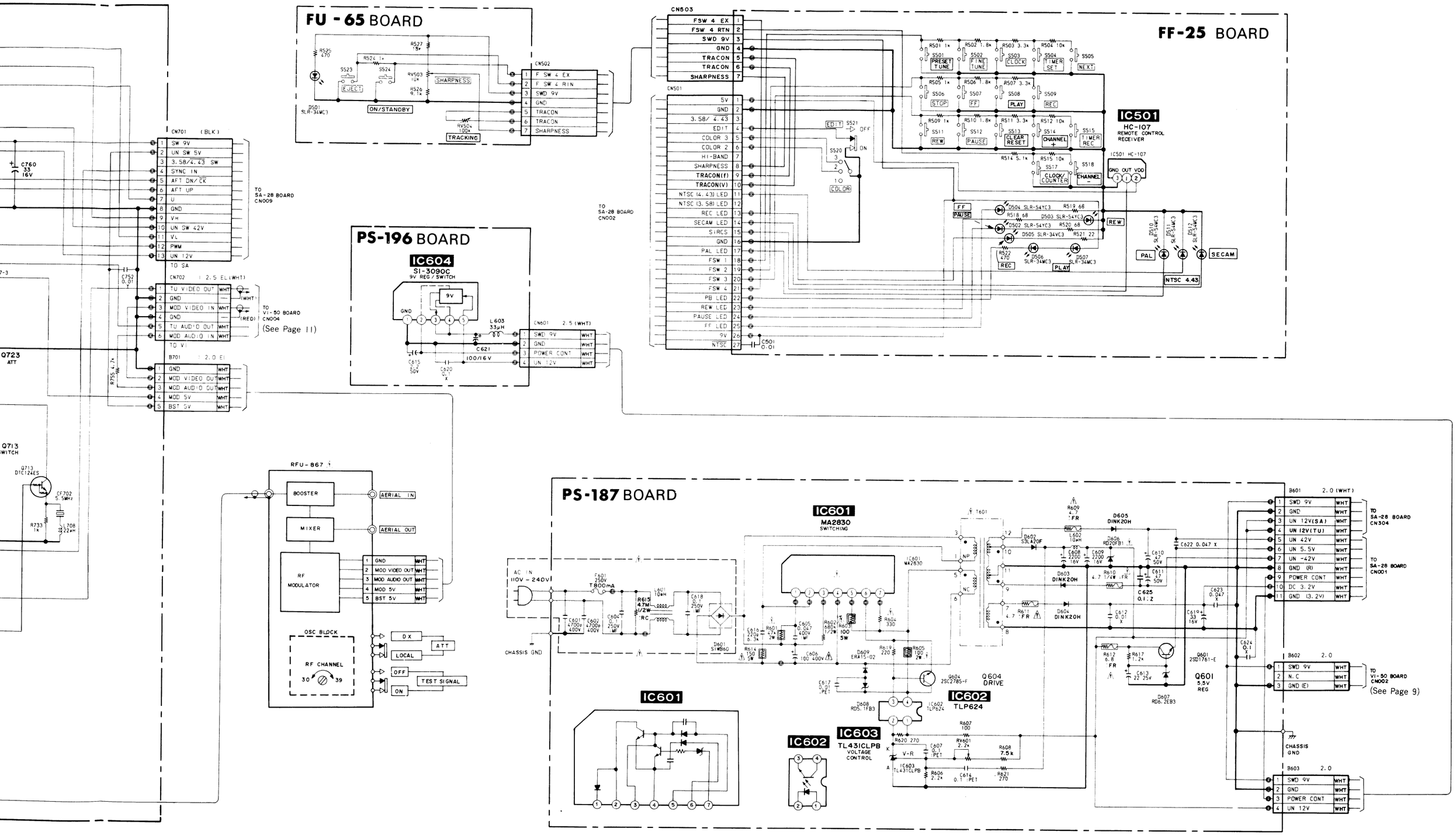
D608 RD5.1FB3

CHASSIS GND

IC601

IC602

IC603 TL431CLP VOLTAGE CONTROL

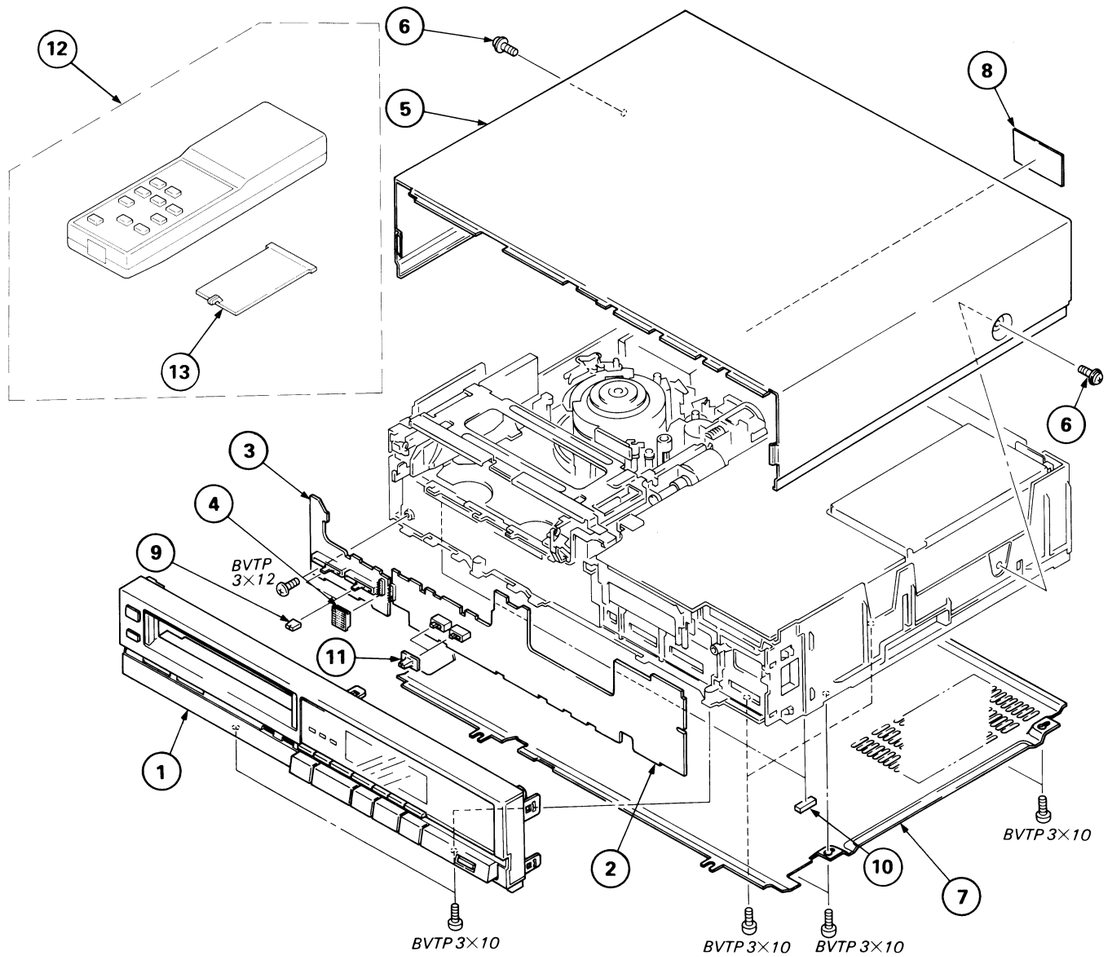

FU - 65 BOARD
CN502
F SW 4 EX
F SW 4 RTN
SWD 9V
GND
TRACON
TRACON
SHARPNESS
SHARPNESS
EJECT
ON/STANDBY
TRACKING
CN503
FF-25 BOARD
IC501
HC-107
REMOTE CONTROL RECEIVER
PRESET TUNE
FINE TUNE
CLOCK
TIMER SET
NEXT
STOP
FF
PLAY
REC
REW
PAUSE
CLEAR RESET
CHANNEL +
TIMER REC
CHANNEL -
CLOCK/ COUNTER
EDIT
COLOR
PS-196 BOARD
IC604
SI-3090C
9V REG / SWITCH
CN701 (BLK)
SW 9V
UN SW 5V
3.58/4.43 SW
SYNC IN
AFT DN/CR
AFT UP
U
GND
V-H
UN SW 42V
V-L
PWM
UN 12V
TO SA
TO SA-28 BOARD CN009
TO SA-28 BOARD CN002
CN702 2.5 EL (WHT)
TU VIDEO OUT
GND
MOD VIDEO IN
GND
TU AUD'O OUT
MOD AUDIO IN
TO VI
TO VI-50 BOARD CN004
(See Page 11)
B701 2.0 EL
GND
MOD VIDEO OUT
MOD AUDIO OUT
MOD 5V
BST 5V
CN601 2.5 (WHT)
SWD 9V
GND
POWER CONT
UN 12V
RFU-867
BOOSTER
MIXER
RF MODULATOR
AERIAL IN
AERIAL OUT
OSC BLOCK
RF CHANNEL
30
39
DX
LOCAL
OFF
ON
ATT
TEST SIGNAL
PS-187 BOARD
IC601
MA2830
SWITCHING
IC602
TLP624
IC603
TL431CLPB
VOLTAGE CONTROL
Q604
DRIVE
Q601
5.5V REG
B601 2.0 (WHT)
SWD 9V
GND
UN 12V(SA)
UN 12V(TU)
UN 42V
UN 5.5V
UN -42V
GND (R)
POWER CONT
DC 3.2V
GND (3.2V)
TO SA-28 BOARD CN304
TO SA-28 BOARD CN001
B602 2.0
SWD 9V
N.C
GND (E)
TO VI-50 BOARD CN002
(See Page 9)
B603 2.0
SWD 9V
GND
POWER CONT
UN 12V
CHASSIS GND

SECTION 5
EXPLODED VIEWS

NOTE:
- –XX, –X mean standardized parts, so they may have some differences from the original one.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

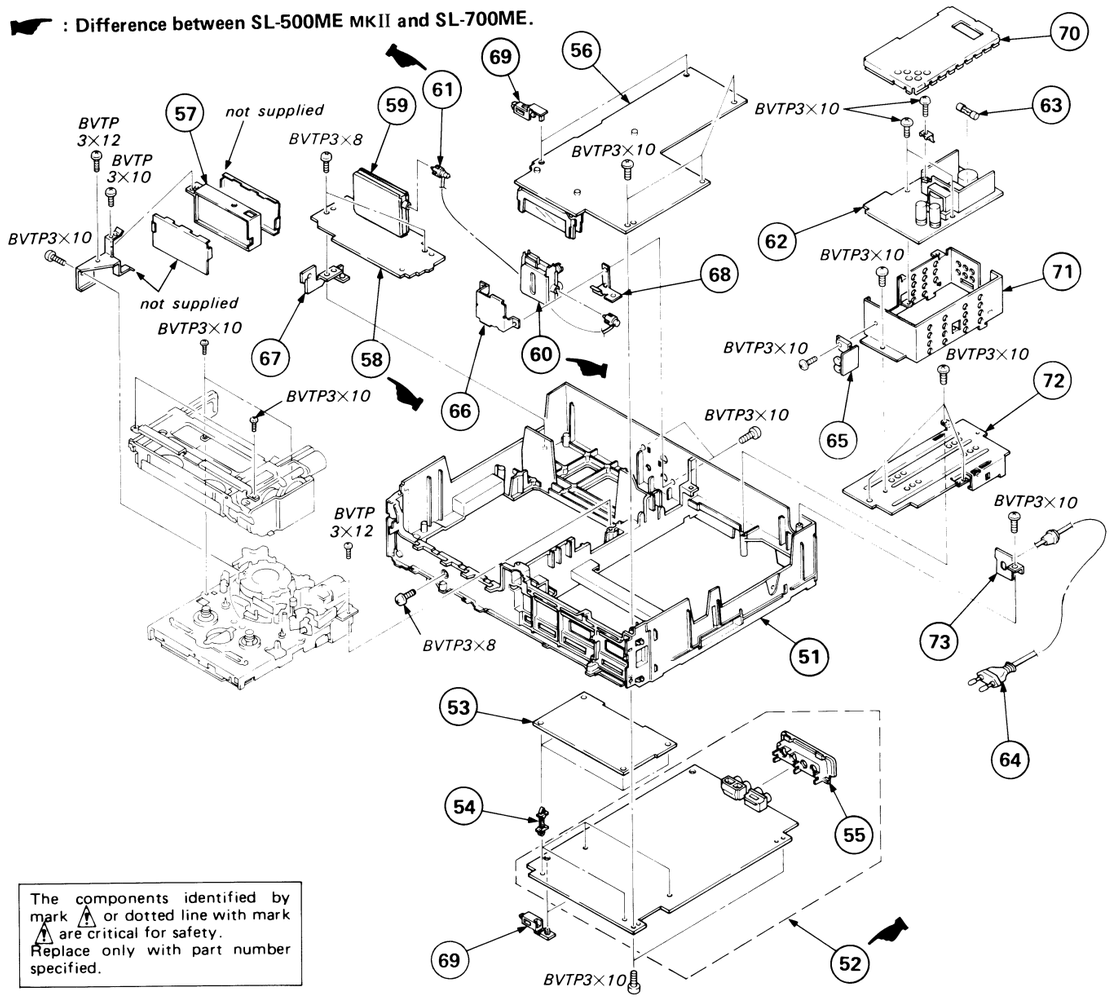
5-1. FRONT PANEL AND CABINET ASSEMBLIES



No.	Part No.	Description	Remark
1	X-3716-112-1	PANEL ASSY, FRONT (BLACK)	
	X-3716-124-1	PANEL ASSY, FRONT (GRAY)	
2	*1-628-161-11	FF-25 BOARD	
3	*1-628-162-11	FU-65 BOARD	
4	1-565-775-11	CONNECTOR, BOARD TO BOARD 7P	
5	3-695-045-51	CASE, UPPER (BLACK)	
	3-721-505-41	CASE, UPPER (GRAY)	
6	4-886-821-21	SCREW, M3 CASE STOPPER (BLACK)	
	4-886-821-31	SCREW, M3 CASE STOPPER (GRAY)	
7	*3-723-185-01	PLATE, BOTTOM	
8	*3-694-499-01	LABEL, MODEL NUMBER (No.2)	
9	3-729-403-01	KNOB, SLIDE VOL (BLACK)	
	3-729-403-11	KNOB, SLIDE VOL (GRAY)	
10	3-723-174-01	FOOT, RUBBER	
11	3-721-557-01	KNOB, SELECTION (BLACK)	
	3-721-557-21	KNOB, SELECTION (GRAY)	
12	1-463-845-22	REMOTE COMMANDER	13
13	3-716-159-01	BATTERY COVER	

5-2. TUNER AND POWER ASSEMBLIES

☛ : Difference between SL-500ME MKII and SL-700ME.



The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

No.	Part No.	Description	Remark
51	*3-723-186-01	FRAME, MOLD	
52	*A-6711-986-A	VI-50 BOARD, COMPLETE	
53	*A-6710-989-A	VC-52 BOARD, COMPLETE	
54	*3-710-673-01	SUPPORT, PC BOARD	
55	3-723-178-01	COVER, JACK	
56	*A-6715-415-A	SA-28 BOARD, COMPLETE	
57	*A-6725-638-A	RP-70 BOARD, COMPLETE	
58	*A-6721-293-A	TU-95 BOARD, COMPLETE	
59 ⚠	.1-463-848-11	TUNER, ET (BT-886A) (TU701)	
60 ⚠	.1-464-829-11	MODULATOR, RF(RFU-867)	
61	*1-555-110-00	CABLE, PIN	
62	*A-6722-381-A	PS-187 BOARD, COMPLETE	
63 ⚠	.1-532-259-00	FUSE, TIME-LAG (1.6A 250V)	
64 ⚠	.1-551-908-71	CORD, POWER, EULO PLUG (2.5A 250V)	55
65	*1-628-163-11	PS-196 BOARD	
66	*3-712-894-01	BRACKET	
67	*3-729-409-11	BRACKET (LEFT)	
68	*3-723-198-01	PLATE, GROUND, RF	
69	*3-723-199-01	HINGE, PC BOARD	
70	*X-3716-119-1	LID ASSY, POWER	
71	*3-723-183-01	CASE, POWER	
72	*3-723-182-01	BRACKET, POWER	
73	*3-723-188-01	BRACKET, AC	

5-6. REEL TABLE ASSEMBLY

SL-700ME				SL-500ME MKII			
No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
256	X-3716-025-1	TABEL ASSY, S REEL		256	X-3716-025-3	TABEL ASSY, S REEL	
257	X-3716-026-1	TABEL ASSY, T REEL		257	X-3716-026-2	TABEL ASSY, T REEL	

VI-5

NOTE:

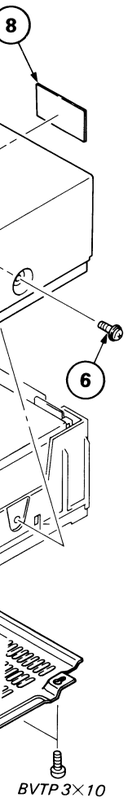
The com
mark ⚠
⚠ are cr
Replace
specified

When i
ence
the boar

VI-50 BOAR

Ref.No	P
C025	1
C048	1
C069	1
C071	1
NO MOUNT	
C077	1
NO MOUNT	
C112	1
C113	1
C120	1
C122	1
C127	1
C128	1
C129	1
NO MOUNT	
C135	
C176	
C214	
C215	
C221	
C222	
C223	
C408	
NO MOUN	
C528	
C534	
C537	
C540	
CF201	
CF202	
D007	
D008	
D402	
D405	
D406	
D407	
D505	
D506	
D510	

Identified by
he with mark
ety.
part number



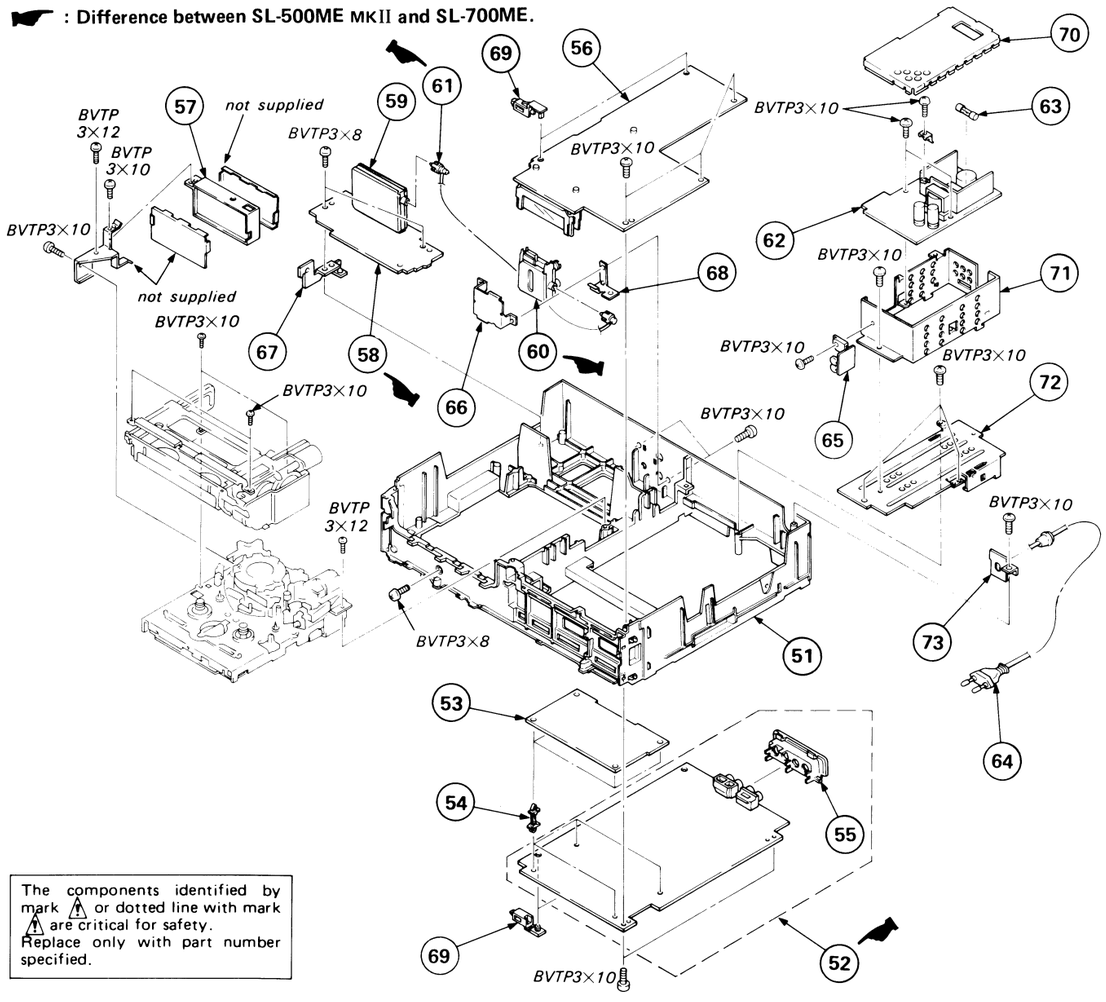
Remark

2)

13

5-2. TUNER AND POWER ASSEMBLIES

: Difference between SL-500ME MKII and SL-700ME.



The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

No.	Part No.	Description	Remark
51	*3-723-186-01	FRAME, MOLD	
52	*A-6711-986-A	VI-50 BOARD, COMPLETE	55
53	*A-6710-989-A	VC-52 BOARD, COMPLETE	
54	*3-710-673-01	SUPPORT, PC BOARD	
55	3-723-178-01	COVER, JACK	
56	*A-6715-415-A	SA-28 BOARD, COMPLETE	
57	*A-6725-638-A	RP-70 BOARD, COMPLETE	
58	*A-6721-293-A	TU-95 BOARD, COMPLETE	
59 ⚠	.1-463-848-11	TUNER, ET (BT-886A) (TU701)	
60 ⚠	.1-464-829-11	MODULATOR, RF(RFU-867)	
61	*1-555-110-00	CABLE, PIN	
62	*A-6722-381-A	PS-187 BOARD, COMPLETE	
63 ⚠	.1-532-259-00	FUSE, TIME-LAG (1.6A 250V)	
64 ⚠	.1-551-908-71	CORD, POWER, EULO PLUG (2.5A 250V)	
65	*1-628-163-11	PS-196 BOARD	
66	*3-712-894-01	BRACKET	
67	*3-729-409-11	BRACKET (LEFT)	
68	*3-723-198-01	PLATE, GROUND, RF	
69	*3-723-199-01	HINGE, PC BOARD	
70	*X-3716-119-1	LID ASSY, POWER	
71	*3-723-183-01	CASE, POWER	
72	*3-723-182-01	BRACKET, POWER	
73	*3-723-188-01	BRACKET, AC	

5-6. REEL TABLE ASSEMBLY

SL-700ME				SL-500ME MKII			
No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
256	X-3716-025-1	TABEL ASSY, S REEL		256	X-3716-025-3	TABEL ASSY, S REEL	
257	X-3716-026-1	TABEL ASSY, T REEL		257	X-3716-026-2	TABEL ASSY, T REEL	

SECTION 6
ELECTRICAL PARTS LIST

NOTE:

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

When indicating parts by reference number, please include the board name.

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- –XX, –X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms
  METAL : Metal-film resistor
  METAL OXIDE : Metal Oxide-film resistor
  F : nonflammable
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, U : μ, for example:
  UA...: μA..., UPA...: μPA...,
  UPB...: μPB..., UPC...: μPC...,
  UPD...: μPD...
- CAPACITORS
  MF : μF, PF : μμF
- COILS
  MMH : mH, UH : μH

VI-50 BOARD

◦ Parts marked with an (●) are also changed in SL-700ME (Serial No. 7351 and higher).

SL-700ME						SL-500ME MKII					
Ref.No	Part No.	Description			Remark	Ref.No	Part No.	Description			Remark
		CAPACITOR						CAPACITOR			
C025	1-162-199-31	CERAMIC	10PF	5% 50V		NO MOUNT					
C048	1-124-446-11	ELECT	47MF	20% 10V		NO MOUNT					
C069	1-102-816-19	CERAMIC	120P	5% 50V		C069	1-162-211-31	CERAMIC	33PF	5% 50V	
C071	1-161-043-00	CERAMIC	0.0022MF	10% 25V		C071	1-102-978-00	CERAMIC	220PF	10% 25V	
NO MOUNT						C075	1-162-211-31	CERAMIC	33PF	5% 50V	
C077	1-161-379-00	CERAMIC	0.01MF	30% 16V		NO MOUNT					
NO MOUNT						C079	1-101-004-00	CERAMIC	0.01MF	50V	
C112	1-124-446-11	ELECT	47MF	20% 10V		NO MOUNT					
C113	1-124-446-11	ELECT	47MF	20% 10V		NO MOUNT					
C120	1-102-980-00	CERAMIC	270PF	5% 50V		NO MOUNT					
C122	1-123-356-00	ELECT	10MF	20% 16V		NO MOUNT					
C127	1-162-199-31	CERAMIC	10PF	5% 50V		NO MOUNT					
C128	1-124-446-11	ELECT	47MF	20% 10V		NO MOUNT					
C129	1-124-446-11	ELECT	47MF	20% 10V		NO MOUNT					
NO MOUNT						C130	1-162-560-11	CERAMIC	0.047MF	16V	
C135	1-124-446-11	ELECT	47MF	20% 10V		NO MOUNT					
C176	1-161-379-00	CERAMIC	0.01MF	30% 16V		NO MOUNT					
C214	1-161-379-00	CERAMIC	0.01MF	30% 16V		NO MOUNT					
C215	1-161-379-00	CERAMIC	0.01MF	30% 16V		NO MOUNT					
C221	1-161-021-11	CERAMIC	0.047MF	10% 25V		NO MOUNT					
C222	1-102-963-00	CERAMIC	33PF	5% 50V		NO MOUNT					
C223	1-102-971-00	CERAMIC	82PF	5% 50V		NO MOUNT					
C408	1-162-215-31	CERAMIC	47PF	5% 50V		NO MOUNT					
NO MOUNT						C414	1-161-379-00	CERAMIC	0.01MF	30% 16V	
C528	1-102-971-00	CERAMIC	82PF	5% 50V		C528	1-102-529-00	CERAMIC	100PF	5% 50V	
C534	1-161-379-00	CERAMIC	0.01MF	30% 16V		NO MOUNT					
C537	1-102-973-00	CERAMIC	100PF	5% 50V		NO MOUNT					
C540	1-162-205-31	CERAMIC	18PF	5% 50V		NO MOUNT					
		FILTER						FILTER			
CF201	1-231-302-00	CERAMIC FILTER (4.27MHz)				NO MOUNT					
CF202	1-527-875-00	FILTER, CERAMIC (5.12MHz)				NO MOUNT					
						CF203	1-527-875-00	FILTER, CERAMIC (5.12MHz)			
		DIODE						DIODE			
D007	8-719-911-11	DIODE 1SS119				NO MOUNT					
D008	8-719-911-11	DIODE 1SS119				NO MOUNT					
D402	8-719-911-19	DIODE 1SS119				NO MOUNT					
D405	8-719-911-19	DIODE 1SS119				NO MOUNT					
D406	8-719-911-19	DIODE 1SS119				NO MOUNT					
D407	8-719-911-19	DIODE 1SS119				NO MOUNT					
D505	8-719-911-19	DIODE 1SS119				NO MOUNT					
D506	8-719-911-19	DIODE 1SS119				NO MOUNT					
D510	8-719-911-19	DIODE 1SS119				NO MOUNT					

SL-700ME							SL-500ME MKII						
Ref.No	Part No.	Description				Remark	Ref.No	Part No.	Description				Remark
		FILTER							FILTER				
FL001	1-235-558-11	FILTER, LOW PASS					NO MOUNT						
		COIL							COIL				
L002	1-410-521-11	INDUCTOR	100UH				NO MOUNT						
L012	1-410-509-11	INDUCTOR	10UH				L012	1-410-516-11	INDUCTOR	39UH			
L016	1-410-517-21	INDUCTOR	47UH				NO MOUNT						
L038	1-410-509-11	INDUCTOR	10UH				NO MOUNT						
L402	1-410-519-11	INDUCTOR	68UH				NO MOUNT						
L505	1-410-514-11	INDUCTOR	27UH				NO MOUNT						
L506	1-410-514-11	INDUCTOR	27UH				NO MOUNT						
		TRANSISTOR							TRANSISTOR				
Q008	8-729-940-37	TRANSISTOR	DTC114YS-TP				NO MOUNT						
Q010	8-729-178-54	TRANSISTOR	2SC2785-F				NO MOUNT						
Q014	8-729-940-37	TRANSISTOR	DTC114YS-TP				NO MOUNT						
Q034	8-729-178-54	TRANSISTOR	2SC2785-F				NO MOUNT						
Q035	8-729-178-54	TRANSISTOR	2SC2785-F				NO MOUNT						
Q037	8-729-178-54	TRANSISTOR	2SC2785-F				NO MOUNT						
Q038	8-729-940-37	TRANSISTOR	DTC114YS-TP				NO MOUNT						
Q040	8-729-940-37	TRANSISTOR	DTC114YS-TP				NO MOUNT						
Q041	8-729-940-37	TRANSISTOR	DTC114YS-TP				NO MOUNT						
Q042	8-729-902-80	TRANSISTOR	DTA123YS				NO MOUNT						
Q045	8-729-178-54	TRANSISTOR	2SC2785-F				NO MOUNT						
Q046	8-729-178-54	TRANSISTOR	2SC2785-F				NO MOUNT						
Q047	8-729-178-54	TRANSISTOR	2SC2785-F				NO MOUNT						
Q048	8-729-178-54	TRANSISTOR	2SC2785-F				NO MOUNT						
Q068	8-729-900-89	TRANSISTOR	DTC144ES				NO MOUNT						
Q069	8-729-178-54	TRANSISTOR	2SC2785-F				NO MOUNT						
Q070	8-729-900-89	TRANSISTOR	DTC144ES				NO MOUNT						
Q071	8-729-900-89	TRANSISTOR	DTC144ES				NO MOUNT						
Q072	8-729-178-54	TRANSISTOR	2SC2785-F				NO MOUNT						
Q088	8-729-940-37	TRANSISTOR	DTC114YS-TP				NO MOUNT						
Q405	8-729-900-89	TRANSISTOR	DTC144ES				NO MOUNT						
Q516	8-729-900-89	TRANSISTOR	DTC144ES				NO MOUNT						
		RESISTOR							RESISTOR				
R027	1-249-425-11	CARBON	4.7K	5%	1/4W		R027	1-249-422-11	CARBON	2.7K	5%	1/4W	
R041	1-249-432-11	CARBON	18K	5%	1/4W		NO MOUNT						
R042	1-249-431-11	CARBON	15K	5%	1/4W		NO MOUNT						
R053	1-249-440-11	CARBON	82K	5%	1/4W		R053	1-249-438-11	CARBON	56K	5%	1/4W	
R060	1-249-408-11	CARBON	180	5%	1/4W		R060	1-249-413-11	CARBON	470	5%	1/4W	
R061	1-249-421-11	CARBON	2.2K	5%	1/4W		R061	1-249-417-11	CARBON	1K	5%	1/4W	
NO MOUNT							R062	1-249-417-11	CARBON	1K	5%	1/4W	
R064	1-249-416-11	CARBON	820	5%	1/4W		R064	1-249-418-11	CARBON	1.2K	5%	1/4W	
R065	1-247-832-81	CARBON	1.1K	5%	1/4W		NO MOUNT						
R078	1-249-433-11	CARBON	22K	5%	1/4W		NO MOUNT						
R081	1-249-428-11	CARBON	8.2K	5%	1/4W		NO MOUNT						
R083	1-249-420-11	CARBON	1.8K	5%	1/4W		NO MOUNT						
R144	1-247-832-11	CARBON	1.1K	5%	1/4W		NO MOUNT						
R145	1-249-419-11	CARBON	1.5K	5%	1/4W		NO MOUNT						
R146	1-249-419-11	CARBON	1.5K	5%	1/4W		NO MOUNT						
R147	1-249-431-11	CARBON	15K	5%	1/4W		NO MOUNT						
R148	1-249-428-11	CARBON	8.2K	5%	1/4W		NO MOUNT						
R149	1-249-421-11	CARBON	2.2K	5%	1/4W		NO MOUNT						
R167	1-247-810-11	CARBON	130	5%	1/4W		● R167	1-247-807-81	CARBON	100	5%	1/4W	
R174	1-249-412-11	CARBON	390	5%	1/4W		NO MOUNT						
R175	1-249-415-11	CARBON	680	5%	1/4W		NO MOUNT						
R176	1-249-425-11	CARBON	4.7K	5%	1/4W		NO MOUNT						
R177	1-247-828-11	CARBON	750	5%	1/4W		NO MOUNT						
R178	1-249-414-11	CARBON	560	5%	1/4W		NO MOUNT						
R179	1-249-429-11	CARBON	10K	5%	1/4W		NO MOUNT						

VI-50

SL-700ME

Ref.No	Part No.	Description				Remark
R180	1-249-429-11	CARBON	10K	5%	1/4W	
R182	1-249-430-11	CARBON	12K	5%	1/4W	
R183	1-249-421-11	CARBON	2.2K	5%	1/4W	
R189	1-249-418-11	CARBON	1.2K	5%	1/4W	
NO MOUNT						
R203	1-249-425-11	CARBON	4.7K	5%	1/4W	
R215	1-249-417-11	CARBON	1K	5%	1/4W	
R217	1-249-417-11	CARBON	1K	5%	1/4W	
R218	1-249-417-11	CARBON	1K	5%	1/4W	
R219	1-249-417-11	CARBON	1K	5%	1/4W	
R220	1-249-417-11	CARBON	1K	5%	1/4W	
R221	1-249-425-11	CARBON	4.7K	5%	1/4W	
R222	1-249-409-11	CARBON	220	5%	1/4W	
R223	1-249-429-11	CARBON	10K	5%	1/4W	
R224	1-249-429-11	CARBON	10K	5%	1/4W	
R225	1-249-430-11	CARBON	12K	5%	1/4W	
R229	1-249-426-11	CARBON	5.6K	5%	1/4W	
R230	1-249-421-11	CARBON	2.2K	5%	1/4W	
R231	1-249-425-11	CARBON	4.7K	5%	1/4W	
R232	1-249-407-11	CARBON	150	5%	1/4W	
R233	1-249-429-11	CARBON	10K	5%	1/4W	
NO MOUNT						
R267	1-249-407-11	CARBON	150	5%	1/4W	
R275	1-249-417-11	CARBON	1K	5%	1/4W	
R283	1-247-892-11	CARBON	360K	5%	1/4W	
R285	1-247-894-11	CARBON	430K	5%	1/4W	
R425	1-247-883-00	CARBON	150K	5%	1/4W	
R426	1-249-410-11	CARBON	270	5%	1/4W	
R427	1-249-432-11	CARBON	18K	5%	1/4W	
R428	1-249-436-11	CARBON	39K	5%	1/4W	
R429	1-249-430-11	CARBON	12K	5%	1/4W	
R430	1-249-423-11	CARBON	3.3K	5%	1/4W	
R431	1-247-832-11	CARBON	1.1K	5%	1/4W	
R435	1-249-425-11	CARBON	4.7K	5%	1/4W	
R436	1-249-434-11	CARBON	27K	5%	1/4W	
R437	1-249-431-11	CARBON	15K	5%	1/4W	
R438	1-249-431-11	CARBON	15K	5%	1/4W	
R439	1-249-431-11	CARBON	15K	5%	1/4W	
R440	1-249-433-11	CARBON	22K	5%	1/4W	
R442	1-249-421-11	CARBON	2.2K	5%	1/4W	
R445	1-249-423-11	CARBON	3.3K	5%	1/4W	
R446	1-249-427-11	CARBON	6.8K	5%	1/4W	
R447	1-249-436-11	CARBON	39K	5%	1/4W	
R450	1-249-435-11	CARBON	33K	5%	1/4W	
R451	1-249-433-11	CARBON	22K	5%	1/4W	
R545	1-249-414-11	CARBON	560	5%	1/4W	
R548	1-249-417-11	CARBON	1K	5%	1/4W	
R552 ⚠	1-212-853-00	FUSIBLE	6.8	5%	1/4W	
R556	1-249-429-11	CARBON	10K	5%	1/4W	
R561	1-249-411-11	CARBON	330	5%	1/4W	
R562	1-249-416-11	CARBON	820	5%	1/4W	

VARIABLE RESISTOR

RV026	1-228-990-00	RES, ADJ, CARBON 1K
RV408	1-228-989-00	RES, ADJ, CARBON 470
RV409	1-228-993-00	RES, ADJ, CARBON 4.7K

CRYSTAL

X002	1-567-505-11	OSCILLATOR, CRYSTAL (3.58MHz)
X502	1-577-237-11	VIBRATOR, CRYSTAL (12.77MHz)

SL-500ME MKII

Ref.No	Part No.	Description				Remark
NO MOUNT						
NO MOUNT						
NO MOUNT						
NO MOUNT						
● R190	1-247-795-81	CARBON	33	5%	1/4W	
NO MOUNT						
NO MOUNT						
NO MOUNT						
NO MOUNT						
NO MOUNT						
NO MOUNT						
NO MOUNT						
NO MOUNT						
NO MOUNT						
NO MOUNT						
NO MOUNT						
NO MOUNT						
NO MOUNT						
NO MOUNT						
NO MOUNT						
R248	1-249-407-11	CARBON	150	5%	1/4W	
NO MOUNT						
NO MOUNT						
● R283	1-247-879-81	CARBON	100K	5%	1/4W	
● R285	1-247-885-81	CARBON	180K	5%	1/4W	
NO MOUNT						
NO MOUNT						
NO MOUNT						
NO MOUNT						
NO MOUNT						
NO MOUNT						
NO MOUNT						
NO MOUNT						
NO MOUNT						
NO MOUNT						
NO MOUNT						
NO MOUNT						
NO MOUNT						
R445	1-249-421-11	CARBON	2.2K	5%	1/4W	
NO MOUNT						
NO MOUNT						
NO MOUNT						
NO MOUNT						
NO MOUNT						
NO MOUNT						
● R552 ⚠	1-212-853-51	FUSIBLE	6.8	5%	1/4W	
NO MOUNT						
NO MOUNT						
NO MOUNT						

VARIABLE RESISTOR

NO MOUNT		
NO MOUNT		
NO MOUNT		

CRYSTAL

NO MOUNT		
NO MOUNT		

VC-52 BOARD

• Parts marked with an (●) are also changed in SL-700ME (Serial No. 7351 and higher).

SL-700ME						SL-500ME MKII					
Ref.No	Part No.	Description			Remark	Ref.No	Part No.	Description			Remark
		BAND PASS FILTER						BAND PASS FILTER			
BPF802	1-235-986-11	FILTER, BAND PASS				NO MOUNT					
		CAPACITOR						CAPACITOR			
C805	1-162-560-11	CERAMIC	0.047MF		16V	NO MOUNT					
C808	1-124-446-11	ELECT	47MF	20%	10V	NO MOUNT					
C812	1-126-176-11	ELECT	220MF	20%	6.3V	NO MOUNT					
C813	1-161-379-00	CERAMIC	0.01MF	30%	16V	NO MOUNT					
C816	1-162-560-11	CERAMIC	0.047MF		16V	NO MOUNT					
C820	1-162-851-11	CERAMIC	0.1MF		16V	NO MOUNT					
C821	1-126-176-11	ELECT	220MF	20%	6.3V	NO MOUNT					
C822	1-162-201-31	CERAMIC	12PF	5%	50V	NO MOUNT					
C825	1-161-379-00	CERAMIC	0.01MF	30%	16V	NO MOUNT					
C826	1-161-379-00	CERAMIC	0.01MF	30%	16V	NO MOUNT					
C837	1-162-203-31	CERAMIC	15PF	5%	50V	NO MOUNT					
C838	1-124-446-11	ELECT	47MF	20%	10V	NO MOUNT					
NO MOUNT						● C840	1-162-217-11	CERAMIC	56P	5%	50V
C862	1-161-379-00	CERAMIC	0.01MF	30%	16V	NO MOUNT					
C863	1-161-379-00	CERAMIC	0.01MF	30%	16V	NO MOUNT					
C866	1-161-379-00	CERAMIC	0.01MF	30%	16V						
		DELAY LINE						DELAY LINE			
DL802	1-415-533-11	DELAY LINE, 1H ULTRASONIC				NO MOUNT					
		IC						IC			
IC801	8-759-208-94	IC CX-894				NO MOUNT					
		COIL						COIL			
L802	1-410-511-21	INDUCTOR	15UH			NO MOUNT					
		VARIABLE COIL						VARIABLE COIL			
LV802	1-408-520-00	COIL, VARIABLE				NO MOUNT					
		TRANSISTOR						TRANSISTOR			
Q801	8-729-117-54	TRANSISTOR 2SA1175-F				NO MOUNT					
Q804	8-729-178-54	TRANSISTOR 2SC2785-F				NO MOUNT					
Q807	8-729-178-54	TRANSISTOR 2SC2785-F				NO MOUNT					
Q811	8-729-117-54	TRANSISTOR 2SA1175-F				NO MOUNT					
Q815	8-729-117-54	TRANSISTOR 2SA1175-F				NO MOUNT					
Q816	8-729-178-54	TRANSISTOR 2SC2785-F				NO MOUNT					
Q817	8-729-178-54	TRANSISTOR 2SC2785-F				NO MOUNT					
NO MOUNT						Q861	8-729-178-54	TRANSISTOR 2SC2785-F			
NO MOUNT						Q862	8-729-178-54	TRANSISTOR 2SC2785-F			
		RESISTOR						RESISTOR			
R801	1-249-421-11	CARBON	2.2K	5%	1/4W	NO MOUNT					
R811	1-249-426-11	CARBON	5.6K	5%	1/4W	NO MOUNT					
R812	1-249-427-11	CARBON	6.8K	5%	1/4W	NO MOUNT					
R815	1-249-415-11	CARBON	680	5%	1/4W	NO MOUNT					
R816	1-249-412-11	CARBON	390	5%	1/4W	NO MOUNT					
R825	1-249-423-11	CARBON	3.3K	5%	1/4W	NO MOUNT					
R826	1-249-429-11	CARBON	10K	5%	1/4W	NO MOUNT					
R831	1-249-415-11	CARBON	680	5%	1/4W	NO MOUNT					
R832	1-249-415-11	CARBON	680	5%	1/4W	NO MOUNT					
R833	1-249-415-11	CARBON	680	5%	1/4W	NO MOUNT					

SL-700ME							SL-500ME MKII						
Ref.No	Part No.	Description				Remark	Ref.No	Part No.	Description				Remark
R834	1-249-415-11	CARBON	680	5%	1/4W		NO MOUNT						
R838	1-249-421-11	CARBON	2.2K	5%	1/4W		NO MOUNT						
R839	1-249-417-11	CARBON	1K	5%	1/4W		NO MOUNT						
R843	1-249-417-11	CARBON	1K	5%	1/4W		NO MOUNT						
R852	1-249-433-11	CARBON	22K	5%	1/4W		● R852	1-247-869-81	CARBON	39K	5%	1/4W	
R856	1-249-417-11	CARBON	1K	5%	1/4W		NO MOUNT						
R857	1-249-421-11	CARBON	2.2K	5%	1/4W		NO MOUNT						
R858	1-249-425-11	CARBON	4.7K	5%	1/4W		NO MOUNT						
R859	1-249-424-11	CARBON	3.9K	5%	1/4W		NO MOUNT						
NO MOUNT							R861	1-249-428-11	CARBON	8.2K	5%	1/4W	
NO MOUNT							R862	1-249-421-11	CARBON	2.2K	5%	1/4W	
NO MOUNT							R863	1-249-431-11	CARBON	15K	5%	1/4W	
NO MOUNT							R864	1-249-433-11	CARBON	22K	5%	1/4W	
NO MOUNT							R865	1-249-432-11	CARBON	18K	5%	1/4W	
R871	1-249-435-11	CARBON	33K	5%	1/4W		NO MOUNT						
R872	1-249-435-11	CARBON	33K	5%	1/4W		NO MOUNT						
R873	1-249-405-11	CARBON	100	5%	1/4W		NO MOUNT						
		VARIABLE RESISTOR							VARIABLE RESISTOR				
RV801	1-228-989-00	RES, ADJ, CARBON 470					NO MOUNT						

SA-28 BOARD

SL-700ME							SL-500ME MKII						
Ref.No	Part No.	Description				Remark	Ref.No	Part No.	Description				Remark
		RESISTOR							RESISTOR				
R031	1-249-417-11	CARBON	1K	5%	1/4W		NO MOUNT						

TU-95 BOARD

SL-700ME							SL-500ME MKII						
Ref.No	Part No.	Description				Remark	Ref.No	Part No.	Description				Remark
	*A-6721-292-A	TU-95 BOARD, COMPLETE **********						*A-6721-293-A	TU-95 BOARD, COMPLETE **********				
		CAPACITOR							CAPACITOR				
C710	1-102-942-00	CERAMIC	5PF	0.5PF	50V		NO MOUNT						
C711	1-101-880-00	CERAMIC	47PF	5%	50V		NO MOUNT						
C712	1-102-951-00	CERAMIC	15PF	5%	50V		NO MOUNT						
C715	1-102-953-00	CERAMIC	18PF	5%	50V		NO MOUNT						
C716	1-101-880-00	CERAMIC	47PF	5%	50V		NO MOUNT						
C717	1-102-945-00	CERAMIC	8PF	0.5PF	50V		NO MOUNT						
C745	1-102-824-00	CERAMIC	470PF	5%	50V		NO MOUNT						
C747	1-102-953-00	CERAMIC	18PF	5%	50V		NO MOUNT						
C749	1-161-379-00	CERAMIC	0.01MF	30%	16V		NO MOUNT						
		FILTER							FILTER				
CF701	1-404-469-00	DISCRIMINATOR, CERAMIC (4.5MHz)					NO MOUNT						
CF703	1-527-943-00	FILTER, CERAMIC (4.5MHz)					NO MOUNT						
CF705	1-409-332-00	CERAMIC TRAP (4.5MHz)					NO MOUNT						
		DIODE							DIODE				
D703	8-719-911-19	DIODE 1SS119					NO MOUNT						
D704	8-719-911-19	DIODE 1SS119					NO MOUNT						

SL-700ME						SL-500ME MKII					
Ref.No	Part No.	Description			Remark	Ref.No	Part No.	Description			Remark
		COIL						COIL			
L706	1-408-414-00	INDUCTOR	27UH			NO MOUNT					
L709	1-408-402-00	INDUCTOR	2.7UH			NO MOUNT					
L711	1-408-412-00	INDUCTOR	18UH			NO MOUNT					
L715	1-408-411-00	INDUCTOR	15UH			NO MOUNT					
		TRANSISTOR						TRANSISTOR			
Q708	8-729-600-27	TRANSISTOR	2SC2603			NO MOUNT					
Q710	8-729-600-27	TRANSISTOR	2SC2603			NO MOUNT					
Q712	8-729-900-36	TRANSISTOR	DTC124ES			NO MOUNT					
Q714	8-729-600-27	TRANSISTOR	2SC2603			NO MOUNT					
Q716	8-729-600-27	TRANSISTOR	2SC2603			NO MOUNT					
Q720	8-729-117-54	TRANSISTOR	2SA1175-F			NO MOUNT					
Q722	8-729-900-89	TRANSISTOR	DTC144ES			NO MOUNT					
		RESISTOR						RESISTOR			
R708	1-249-417-11	CARBON	1K	5%	1/4W	R708	1-249-415-11	CARBON	680	5%	1/4W
R711	1-249-417-11	CARBON	1K	5%	1/4W	NO MOUNT					
R731	1-249-419-11	CARBON	1.5K	5%	1/4W	NO MOUNT					
R735	1-249-433-11	CARBON	22K	5%	1/4W	NO MOUNT					
R736	1-249-417-11	CARBON	1K	5%	1/4W	NO MOUNT					
R738	1-249-417-11	CARBON	1K	5%	1/4W	NO MOUNT					
R740	1-249-433-11	CARBON	22K	5%	1/4W	NO MOUNT					
R744	1-249-409-11	CARBON	220	5%	1/4W	NO MOUNT					
R749	1-249-405-11	CARBON	100	5%	1/4W	NO MOUNT					
R759	1-249-429-11	CARBON	10K	5%	1/4W	NO MOUNT					
		TRANSFORMER						TRANSFORMER			
T702	1-404-489-00	COIL				NO MOUNT					

PS-187 BOARD ◦ Parts marked with an (●) are also changed in SL-700ME (Serial No. 7351 and higher).

SL-700ME						SL-500ME MKII					
Ref.No	Part No.	Description			Remark	Ref.No	Part No.	Description			Remark
		CAPACITOR						CAPACITOR			
C624	1-161-021-11	CERAMIC	0.047MF	20%	25V	C624	1-164-159-11	CERAMIC	0.1MF		50V
		FUSE						FUSE			
F601⚠	1-532-259-00	FUSE.TIME-LAG (250V 1.6A)				● F601⚠	1-532-215-11	FUSE.TIME-LAG (250V 800mA)			
		RESISTOR						RESISTOR			
R608	1-249-428-11	CARBON	8.2K	5%	1/4W	● R608	1-247-852-81	CARBON	7.5K	5%	1/4W

PS-196 BOARD ◦ Parts marked with an (●) are also changed in SL-700ME (Serial No. 7351 and higher).

SL-700ME				SL-500ME MKII			
Ref.No	Part No.	Description	Remark	Ref.No	Part No.	Description	Remark
	*1-628-163-11	PS-196 BOARD **********		●	*1-628-163-12	PS-196 BOARD **********	

RP-70 FF-25

RP-70 BOARD

SL-700ME

Ref.No	Part No.	Description				Remark
		CAPACITOR				
C021	1-164-068-11	CERAMIC	82PF	5%	50V	
C022	1-164-081-11	CERAMIC	470PF	10%	50V	
C023	1-162-218-31	CERAMIC	62PF	5%	50V	
C024	1-161-379-00	CERAMIC	0.01MF	30%	16V	
NO MOUNT						
C029	1-102-947-00	CERAMIC	10PF	5%	50V	
C051	1-161-379-00	CERAMIC	0.01MF	30%	16V	
C052	1-161-379-00	CERAMIC	0.01MF	30%	16V	
		COIL				
L005	1-410-522-11	INDUCTOR	120UH			
L006	1-410-511-21	INDUCTOR	15UH			
L007	1-410-525-11	INDUCTOR	220UH			
		TRANSISTOR				
Q005	8-729-178-54	TRANSISTOR 2SC2785-F				
Q051	8-729-178-54	TRANSISTOR 2SC2785-F				
		RESISTOR				
R016	1-249-416-11	CARBON	820	5%	1/4W	
R017	1-249-406-11	CARBON	120	5%	1/4W	
R018	1-249-429-11	CARBON	10K	5%	1/4W	
R019	1-249-417-11	CARBON	1K	5%	1/4W	
• R051	1-249-434-11	CARBON	27K	5%	1/4W	
R052	1-249-431-11	CARBON	15K	5%	1/4W	
R053	1-249-421-11	CARBON	2.2K	5%	1/4W	
R054	1-249-432-11	CARBON	18K	5%	1/4W	
R055	1-249-431-11	CARBON	15K	5%	1/4W	
NO MOUNT						

SL-500ME MKII

Ref.No	Part No.	Description				Remark
		CAPACITOR				
NO MOUNT						
NO MOUNT						
NO MOUNT						
NO MOUNT						
C028	1-161-379-00	CERAMIC	0.01MF	30%	16V	
NO MOUNT						
NO MOUNT						
NO MOUNT						
		COIL				
NO MOUNT						
NO MOUNT						
NO MOUNT						
		TRANSISTOR				
NO MOUNT						
NO MOUNT						
		RESISTOR				
NO MOUNT						
NO MOUNT						
NO MOUNT						
NO MOUNT						
NO MOUNT						
NO MOUNT						
NO MOUNT						
NO MOUNT						
NO MOUNT						
R101	1-249-405-11	CARBON	100	5%	1/4W	

FF-25 BOARD

SL-700ME

Ref.No	Part No.	Description	Remark
	*1-628-161-11	FF-25 BOARD **********	
		CAPACITOR	
NO MOUNT			
		CONNECTOR	
CN503	1-565-776-11	CONNECTOR, BOARD TO BOARD 4P	
		DIODE	
D509	8-719-955-04	DIODE PY5504S-1 (PAL)	
D510	8-719-955-04	DIODE PY5504S-1 (SECAM)	
D511	8-719-955-04	DIODE PY5504S-1 (NTSC 3.58)	
D512	8-719-955-04	DIODE PY5504S-1 (NTSC 4.43)	
		RESISTOR	
R508	1-249-429-11	CARBON 10K 5% 1/4W	
R516	1-249-432-11	CARBON 18K 5% 1/4W	
R517	1-247-854-11	CARBON 9.1K 5% 1/4W	
R523	1-249-414-11	CARBON 560 5% 1/4W	
		VARIABLE RESISTOR	
RV501	1-237-979-11	RES, VAR, CARBON 10K (SHARPNESS)	
RV502	1-237-980-11	RES, VAR, CARBON 100K (TRACKING)	

SL-500ME MKII

Ref.No	Part No.	Description	Remark
●	*1-628-161-12	FF-25 BOARD **********	
		CAPACITOR	
● C501	1-161-379-00	CERAMIC 0.01MF 30% 16V	
		CONNECTOR	
CN503	1-565-777-11	CONNECTOR, BOARD TO BOARD 7P	
		DIODE	
NO MOUNT			
D510	8-719-955-04	DIODE PY5504S-1 (PAL)	
D511	8-719-955-04	DIODE PY5504S-1 (NTSC 4.43)	
D512	8-719-955-04	DIODE PY5504S-1 (SECAM)	
		RESISTOR	
NO MOUNT			
NO MOUNT			
NO MOUNT			
NO MOUNT			
		VARIABLE RESISTOR	
NO MOUNT			
NO MOUNT			

SL-700ME				SL-500ME MKII			
Ref.No	Part No.	Description	Remark	Ref.No	Part No.	Description	Remark
		SWITCH				SWITCH	
S510	1-553-856-00	SWITCH, KEY BOARD (REC MODE βII/βIII)		NO MOUNT			
S519	1-570-338-11	SWITCH, SLIDE (NTSC)		NO MOUNT			
S522	1-570-338-31	SWITCH, SLIDE (SYSTEM SELECT)		NO MOUNT			

FU-65 BOARD

SL-700ME				SL-500ME MKII			
Ref.No	Part No.	Description	Remark	Ref.No	Part No.	Description	Remark
		CONNECTOR				CONNECTOR	
CN502	1-565-776-11	CONNECTOR, BOARD TO BOARD 4P		CN502	1-565-777-11	CONNECTOR, BOARD TO BOARD 7P	
		RESISTOR				RESISTOR	
NO MOUNT				R526	1-247-854-11	CARBON 9.1K 5% 1/4W	
NO MOUNT				R527	1-247-861-00	CARBON 18K 5% 1/4W	
		VARIABLE RESISTOR				VARIABLE RESISTOR	
NO MOUNT				RV503	1-238-304-11	RES, VAR, SLIDE 10K (SHARPNESS)	
NO MOUNT				RV504	1-238-305-11	RES, VAR, SLIDE 100K (TRACKING)	

• Parts marked with an (●) are also changed in SL-700ME (Serial No. 7351 and higher).

SL-700ME				SL-500ME MKII			
Ref.No	Part No.	Description	Remark	Ref.No	Part No.	Description	Remark
		MISCELLANEOUS **********				MISCELLANEOUS **********	
⚠	1-466-044-11	RF MODULATOR (RFU-2005)		⚠	1-464-829-11	RF MODULATOR (RFU-867)	
⚠	1-551-908-71	CORD, POWER EULOPLUG (250V, 2.5A)		● ⚠	1-551-908-72	CORD, POWER EULOPLUG (250V, 2.5A)	